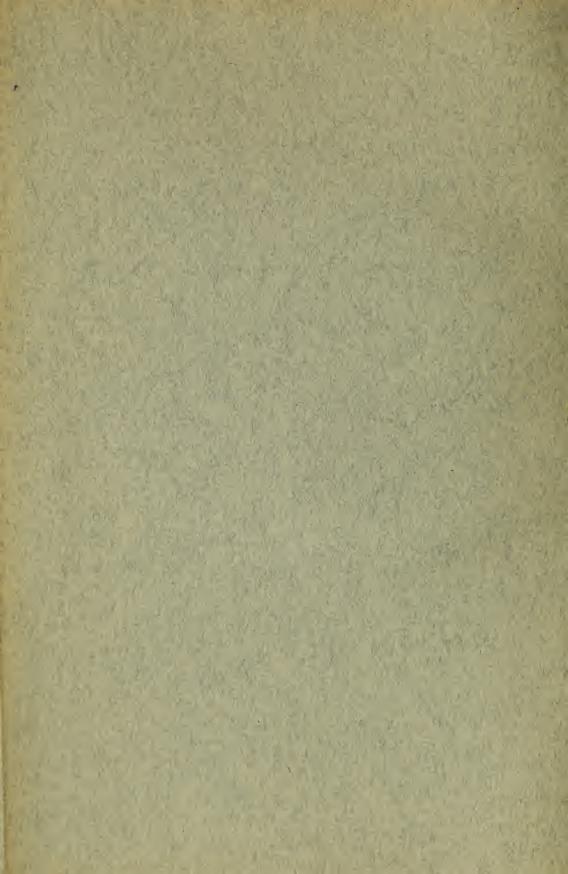


Ellear C. Carley







# OFFICIAL REGISTER OF HARVARD UNIVERSITY

VOL. XXII NOVEMBER 18, 1925 NO. 44

#### THE

## HARVARD MEDICAL SCHOOL

LONGWOOD AVENUE, BOSTON, MASS.

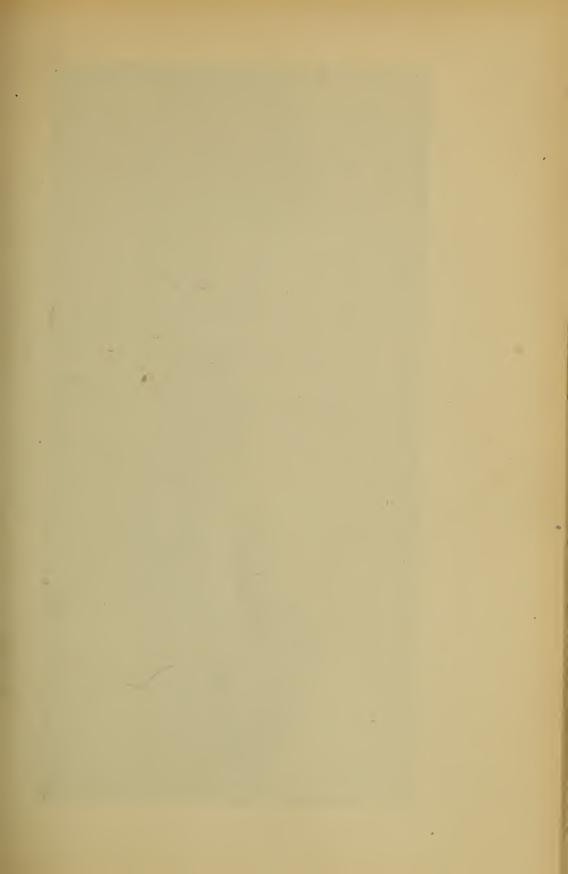
1925-26

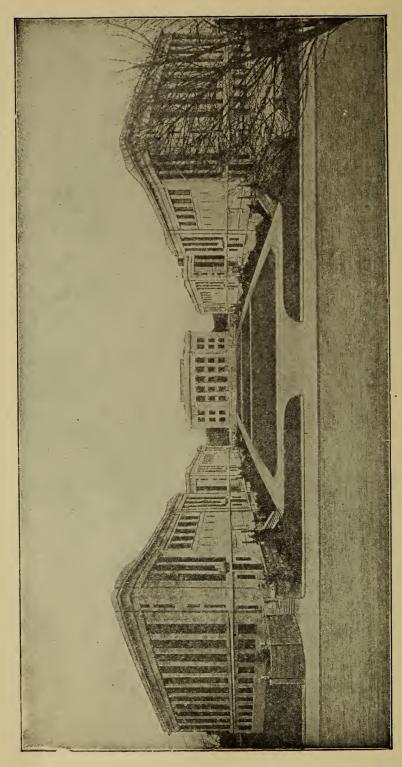
WITH AN ANNOUNCEMENT FOR 1926-27



PUBLISHED BY HARVARD UNIVERSITY







### ANNOUNCEMENT

OF THE

# MEDICAL SCHOOL

LONGWOOD AVENUE, BOSTON, MASS.

OF

#### HARVARD UNIVERSITY

FOR

1925-26

WITH AN ANNOUNCEMENT FOR 1926-27



PUBLISHED BY THE UNIVERSITY

JULY	JULY				
Su Mo Tu W Th Fr Sa	JANUARY Su Mo Tu W Th Fr Sa	Su Mo Tu W Th Fr Sa			
1 0 0 (/)	(1) 2	1 2 3			
5 6 7 8 9 10 11	3 4 5 6 7 8 9	(4) 5 6 7 8 9 10			
12 13 14 15 16 17 18	10 11 12 13 14 15 16	11 12 13 14 15 16 17			
19 20 21 22 23 24 25	17 18 -19 20 21 22 23	18 19 20 21 22 23 24			
26 27 28 29 30 31	24 25 26 27 28 29 30	25 26 27 28 29 30 31			
	31				
AUGUST	FEBRUARY	AUGUST			
1	., 1 2 3 4 5 6	1 2 3 4 5 6 7			
2 3 4 5 6 7 8	7 8 9 10 11 12 13	8 9 10 11 12 13 14			
9 10 11 12 13 14 15	14 15 16 17 18 19 20	15 16 17 18 19 20 21			
16 17 18 19 20 21 22	21 (22) 23 24 25 26 27	22 23 24 25 26 27 28			
23 24 25 26 27 28 29	<b>2</b> 8	29 30 31			
30 31					
SEPTEMBER	MARCH	SEPTEMBER			
1 2 3 4 5	1 2 3 4 5 6	1 2 3 4			
6 (7) 8 9 10 11 12	7 8 9 10 11 12 13	5 (6) 7 8 9 10 11			
13 14 15 16 17 18 19	14 15 16 17 18 19 20	12 13 14 15 16 17 18			
20 21 22 23 24 25 26	21 22 23 24 25 26 27	19 20 21 22 23 24 25			
27 28 29 30	28 29 30 31	26 27 28 29 30			
OCTOBER	APRIL	OCTOBER			
1 2 3	1 2 3	1 2			
4 5 6 7 8 9 10	4 5 6 7 8 9 10	3 4 5 6 7 8 9			
11 (12) 13 14 15 16 17	11 12 13 14 15 16 17	10 11 (12) 13 14 15 16			
18 19 20 21 22 23 24	18 (19) 20 21 22 23 24	17 18 19 20 21 22 23			
25 26 27 28 29 30 31	25 26 27 28 29 30	24 25 26 27 28 29 30			
		31			
NOVEMBED	MAY	NOVEMBER			
NOVEMBER 1 2 3 4 5 6 7					
	$\begin{bmatrix} \dots & \dots & \dots & \dots & 1 \\ 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{bmatrix}$	1 2 3 4 5 6 7 8 9 10 11 12 13			
8 9 10 11 12 13 14	2 3 4 5 6 7 8 9 10 11 12 13 14 15				
15 18 17 19 10 90 91	9 10 11 12 15 14 15	14 15 16 17 10 10 00			
15 16 17 18 19 20 21	16 17 19 10 90 91 99	14 15 16 17 18 19 20			
22 23 24 25 (26) 27 28	16 17 18 19 20 21 22	21 22 23 24 (25) 26 27			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29	21 22 23 24 (25) 26 27 28 29 30			
22 23 24 25 (26) 27 28 29 30		21 22 23 24 (25) 26 27			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29 (30) 31 JUNE	21 22 23 24 (25) 26 27 28 29 30 DECEMBER			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29 (30) 31	21 22 23 24 (25) 26 27 28 29 30			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29 (30) 31	21 22 23 24 (25) 26 27 28 29 30			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29 (30) 31	21 22 23 24 (25) 26 27 28 29 30			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29 (30) 31	21 22 23 24 (25) 26 27 28 29 30			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29 (30) 31	21 22 23 24 (25) 26 27 28 29 30			
22 23 24 25 (26) 27 28 29 30	23 24 25 26 27 28 29 (30) 31	21 22 23 24 (25) 26 27 28 29 30			

# C¦ONTENTS

I.	PAGE
Medical School Calendar	5
PRESIDENT AND FELLOWS OF HARVARD COLLEGE	7
THE BOARD OF OVERSEERS OF HARVARD COLLEGE	8
FACULTY OF MEDICINE	10
Other Instructors	15
Administrative Officers	25
Committee of Professors	<b>2</b> 6
Administrative Board	27
OTHER COMMITTEES	<b>2</b> 8
REQUIREMENTS FOR ADMISSION	29
LANGUAGE AND SCIENCE REQUIREMENTS	29
Admission to Advanced Standing	30
GENERAL REGULATIONS	30
Examinations and Promotion	31
Withdrawal from the School	32
Degrees	32
FEES AND EXPENSES	34
Buildings	35
LIBRARIES	37
WARREN ANATOMICAL MUSEUM	38
HOSPITAL FACILITIES	38
HOSPITAL APPOINTMENTS	41
CANCER COMMISSION OF HARVARD UNIVERSITY	41
PROCTOR FUND	41
HARVARD INFANTILE PARALYSIS COMMISSION	42
Courses for Graduates	42
School of Public Health	42
FELLOWSHIPS AND SCHOLARSHIPS	43
Prizes	51
Division of Studies	52
Announcement of Courses	<b>5</b> 3
RESERVE OFFICERS' TRAINING CORPS	89
TABULAR VIEW OF COURSES	91
Degrees conferred in June, 1925	97
	101
SUMMARY	114
DISTRIBUTION BY COLLEGES AND PREPARATION	115
DISTRIBUTION BY MEDICAL SCHOOLS	117
Teaching Staff	118
Announcement for 1926-27	122



#### MEDICAL SCHOOL CALENDAR

1925	<del></del>					
Sept. 28, Monday.	Academic year begins. Registration of Students. Payment of the first instalment of the tuition fee is required on this date.					
Oct. 12, Monday.	Columbus Day: a holiday.					
Nov. 26, Thursday.	Thanksgiving Day: a holiday.					
Nov. 30, Monday.	Payment of the second instalment of the tuition fee is required on or before this date.					
Dec. 10, Thursday.	Last day for receiving applications for the Cheever, Haven, and Hayden Scholarships.					
Dec. 31, Thursday.	Last day for receiving dissertations for the Boylston Medical Prizes.					
Recess from I	Dec. 23, 1925, to Jan. 2, 1926, inclusive					
1926						
Jan. 1, Friday.	New Year's Day: a holiday.					
Jan. 15, Friday.	Last day for receiving applications from students in the Professional Schools to be qualified for the degrees of Ph.D. and A.M. in 1926.					
Jan. 30, Saturday.	Payment of the third instalment of the tuition fee is required on or before this date.					
Feb. 1, Monday.	Second half-year begins.					
Feb. 22, Monday.	Washington's Birthday: a holiday.					
April 1, Thursday.	Last day for receiving dissertations for the Bowdoin Prizes.					
Recess fro	M APRIL 18 TO APRIL 24, INCLUSIVE					
April 30, Friday.	Payment of the fourth instalment of the tuition fee is required on or before this date.					
May 1, Saturday.	Last day for receiving dissertations for the Dante					

and Sumner Prizes.

May 1, Saturday. Last day for receiving applications for the Bullard Fellowships and the Moseley Travelling Fellowships.

May 1, Saturday. Last day for receiving applications of candidates for the degree of M.D. in 1926.

May 31, Monday. Memorial Day: a holiday.

June 24, Thursday. Commencement.

SUMMER VACATION, FROM COMMENCEMENT TO SEPTEMBER 26, INCLUSIVE

# THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE

This Board is commonly known as the Corporation.

#### PRESIDENT

ABBOTT LAWRENCE LOWELL, A.B., LL.B., LL.D., Ph.D.
17 Quincy St., Cambridge

#### FELLOWS

HENRY PICKERING WALCOTT, A.B., M.D., LL.D.

11 Waterhouse St., Cambridge

WILLIAM LAWRENCE, A.B., D.D., LL.D., D.C.L.

122 Commonwealth Ave., Boston

JOHN FARWELL MOORS, A.M., LL.D. 32 Mt. Vernon St., Boston JAMES BYRNE, A.B., LL.B. 37 Wall St., New York, N.Y.

CHARLES PELHAM CURTIS, Jr., A.B. 47 Ames Bldg., Boston

#### TREASURER

CHARLES FRANCIS ADAMS, A.B., LL.B. 50 State St., Boston

#### DEPUTY TREASURER

GORHAM BROOKS, A.B.

50 State St., Boston

#### SECRETARY TO THE CORPORATION

FRANCIS WELLES HUNNEWELL, A.B., LL.B.

5 University Hall, Cambridge

#### THE BOARD OF OVERSEERS

The President and Treasurer of the University, ex officio, and the following persons by election:—

#### 1926 \*

CHARLES LEWIS SLATTERY, A.B., D.D. 1 Joy St., Boston LOUIS ADAMS FROTHINGHAM, A.B., LL.B. North Easton, Mass. FREDERICK ROY MARTIN, A.M.

Lawrence Park, W. Bronxville, N.Y.

NORWOOD PENROSE HALLOWELL, A.B. 44 State St., Boston ROGER WOLCOTT, LL.B. 60 State St., Boston

#### 1927

EDGAR CONWAY FELTON, A.B.

HOMER GAGE, A.B., M.D., A.M.

8 Chestnut St., Worcester LANGDON PARKER MARVIN, A.B., A.M., LL.B.

JAMES JACKSON, A.B.

52 Wall St., New York, N.Y.
209 Washington St., Boston

CHARLES H. BRENT, S.T.D. 237 North St., Buffalo, N.Y.

#### 1928

CHARLES ALLERTON COOLIDGE, ART.D.

122 Ames Building, Boston

WILLIAM SYDNEY THAYER, M.D., LL.D.,

1208 Eutaw Place, Baltimore, Md.

HENRY JAMES, LL.B. 10 East 10th St., New York, N.Y.

SAMUEL SMITH DRURY, LITT.D., D.D.

St. Paul's School, Concord, N.H.

BENJAMIN LORING YOUNG, LL.B. 60 S

60 State St., Boston

<sup>\*</sup> The term expires, in each case, on Commencement Day of the year indicated.

#### 1929

WILLIAM COWPER BOYDEN, A.B., LL.B.

Room 1130, 134 South La Salle St., Chicago, Ill.

THOMAS WILLIAMS SLOCUM, A.B. 11 Thomas St., New York, N.Y ELIOT WADSWORTH, A.M., LL.D.

140 Milk St., Boston

BENJAMIN HARRISON DIBBLEE, A.B.

300 Montgomery St., San Francisco, Calif.

RICHARD DERBY, A.B., M.D.

Oyster Bay, L.I., N.Y.

#### 1930

CHARLES MOORE, Ph.D. 1719 H St., Washington, D.C. HOWARD ELLIOTT, C.E., LL.D. 34 Nassau St., New York, N.Y. GEORGE RUSSELL AGASSIZ, A.B. 14 Ashburton Place, Boston ROLAND WILLIAM BOYDEN, A.B., LL.B. 60 State St., Boston FREDERICK PICKERING CABOT, A.M., LL.B.

53 State St., Boston

#### 1931

GEORGE ANGIER GORDON, A.B., S.T.D.

645 Boylston St., Boston

MARK ANTHONY DEWOLFE HOWE, A.B., S.M.

26 Brimmer St., Boston

ALBERT THOMPSON PERKINS, A.B., A.M.

3869 Park Ave., St. Louis, Mo.

ARTHUR WOODS, A.B., A.M.

61 Broadway, New York, N.Y.

BARRETT WENDELL, JR., A.B.

209 South La Salle St., Chicago, Ill.

#### SECRETARY OF THE BOARD OF OVERSEERS

WINTHROP HOWLAND WADE, A.M., LL.B.

321 Shawmut Bank Building, Boston

#### MEDICAL SCHOOL

#### **FACULTY OF MEDICINE\***

A	D	D	H	E	8	8	t	

- ABBOTT LAWRENCE LOWELL, LL.B., LL.D., Ph.D., President, 17 Quincy St., Cambridge.
- DAVID L. EDSALL, M.D., S.D., DEAN, Harvard Medical School.
- WORTH HALE, M.D., Assistant Dean of the Faculty of
  Medicine, and Associate Professor of Pharmacology,
  67 Lake View Ave., Cambridge.
- GEORGE H. MONKS, M.D., Professor of Oral Surgery, 51 Commonwealth Ave.
- WILLIAM H. POTTER, D.M.D., Professor of Operative Dentistry, 16 Arlington St.
- WILLIAM T. PORTER, M.D., LL.D., D.Sc., Professor of Comparative Physiology, Dover.
- PAUL THORNDIKE, M.D., Clinical Professor of Genito-Urinary Surgery, 24 Marlborough St.
- MILTON J. ROSENAU, M.D., A.M., Charles Wilder
  Professor of Preventive Medicine and Hygiene,
  Harvard Medical School.
- CHARLES A. PORTER, M.D., John Homans Professor of Surgery, 116 Beacon St.
- EDWARD W. TAYLOR, M.D., James Jackson Putnam Professor of Neurology, 527 Beacon St.
- RICHARD C. CABOT, M.D., Professor of Clinical Medicine, 101 Brattle St., Cambridge.
- JAMES S. STONE, M.D., Instructor in Surgery, 286 Marlborough St.
- PHILIP HAMMOND, M.D., Instructor in Otology, 483 Beacon St.
- ELLIOTT P. JOSLIN, M.D., A.M., Clinical Professor of Medicine, 81 Bay State Road.
- C. MORTON SMITH, M.D., Clinical Professor of Syphilology, 437 Marlborough St.
- \* Arranged, with the exception of the President, Dean, and Assistant Dean, on the basis of collegiate seniority.
  - † The address is Boston unless otherwise stated.

- CHARLES J. WHITE, M.D., Edward Wigglesworth
  Professor of Dermatology, 259 Marlborough St.
- JAMES H. WRIGHT, M.D., S.D., Assistant Professor of Pathology, Mass. General Hospital.
- HARVEY CUSHING, M.D., S.D., LL.D., Moseley
  Professor of Surgery, Peter Bent Brigham Hospital.
- WILLIAM P. GRAVES, M.D., Professor of Gynaecology, 198 Commonwealth Ave.
- REID HUNT, M.D., Ph.D., Professor of Pharmacology, Harvard Medical School.
- WILLIAM H. ROBEY, M.D., Assistant Professor of Medicine, 202 Commonwealth Ave.
- OTTO FOLIN, Ph.D., S.D., M.D., Hamilton Kuhn Professor of Biological Chemistry, 133 Buckminster Road, Brookline.
- ROBERT B. GREENOUGH, M.D., Assistant Professor of Surgery, 8 Marlborough St.
- JOSHUA C. HUBBARD, M.D., Clinical Professor of Surgery, 86 Bay State Road.
- WILLIAM J. LEH. LYSTER, M.D., D.P.H., Lt. Col., U. S. Army, Professor of Military Science and Tactics, Harvard Medical School.
- HARRIS P. MOSHER, M.D., Professor of Laryngology,
  828 Beacon St.
- FRANKLIN S. NEWELL, M.D., Professor of Clinical Obstetrics, 443 Beacon St.
- WILLIAM H. SMITH, M.D., Instructor in Medicine,

  8 Marlborough St.
- RICHARD P. STRONG, M.D., S.D., Professor of Tropical Medicine, Harvard Medical School.
- FREDERICK S. BURNS, M.D., Assistant Professor of Dermatology, 237 Marlborough St.
- GEORGE B. MAGRATH, M.D., Instructor in Legal Medicine, 274 Boylston St.
- D. HAROLD WALKER, M.D., Walter Augustus Lecompte Professor of Otology. 390 Commonwealth Ave.
- LAWRENCE W. BAKER, D.M.D., Professor of Orthodontia, 230 Beacon St.
- HENRY A. CHRISTIAN, M.D., A.M., LL.D., Hersey
  Professor of the Theory and Practice of Physic,
  Peter Bent Brigham Hospital.
- FRANK H. HUNT, M.D., Instructor in Medicine,
  Boston Sanatorium, Mattapan.

- ROBERT B. OSGOOD, M.D., John B. and Buckminster Brown Professor of Orthopaedic Surgery, 372 Marlborough St.
- FREDERICK H. VERHOEFF, M.D., Professor of Ophthalmic Research, 82 Commonwealth Ave.
- J. LEWIS BREMER, M.D., Associate Professor of Histology, Harvard Medical School.
- WALTER B. CANNON, M.D., S.D., George Higginson
  Professor of Physiology, Harvard Medical School.
- GEORGE S. DERBY, M.D., Williams Professor of Ophthalmology, 23 Bay State Road.
- EDWIN A. LOCKE, M.D., Clinical Professor of Medicine, 311 Beacon St.
- JOHN WARREN, M.D., Associate Professor of Anatomy, Harvard Medical School.
- NATHANIEL ALLISON, M.D., Professor of Orthopaedic Surgery, Massachusetts General Hospital.
- DAVID CHEEVER, M.D., Associate Professor of Surgery, Peter Bent Brigham Hospital.
- FREDERIC T. LEWIS, M.D., Associate Professor of Embryology, Harvard Medical School.
- FREDERICK T. LORD, M.D., Instructor in Medicine, 305 Beacon St.
- PERCY G. STILES, Ph.D., Assistant Professor of Physiology, Harvard Medical School.
- ERNEST E. TYZZER, M.D., George Fabyan Professor of Comparative Pathology, Harvard Medical School.
- C. MACFIE CAMPBELL, M.D., Professor of Psychiatry, 74 Fenwood Road.
- LAWRENCE J. HENDERSON, M.D., Professor of Biological Chemistry, 4 Willard St., Cambridge.
- EDWARD C. STREETER, M.D., Lecturer on the History of Medicine, 280 Beacon St.
- JOHN HOMANS, M.D., Instructor in Surgery,

Peter Bent Brigham Hospital.

- HENRY DEMAREST LLOYD, M.D., Instructor in Syphilology, 479 Commonwealth Ave.
- WILLIAM C. QUINBY, M.D., Assistant Professor of Genito-Urinary Surgery, Peter Bent Brigham Hospital.
- S. BURT WOLBACH, M.D., Shattuck Professor of Pathological Anatomy, 420 Beacon St.
- HANS ZINSSER, M.D., Professor of Bacteriology and Immunology, Harvard Medical School.
- J. DELLINGER BARNEY, M.D., Assistant Professor of Genito-Urinary Surgery, 87 Marlborough St.

- MARSHAL FABYAN, M.D., Assistant Professor of Comparative Pathology, Harvard Medical School.
- CALVIN B. FAUNCE, Jr., M.D., Assistant Professor of Otology, 320 Commonwealth Ave.
- BENJAMIN WHITE, Ph.D., Assistant Professor of
  Bacteriology and Immunology and Preventive Medicine. 375 South St., Jamaica Plain.
- EDWIN H. PLACE, M.D., Clinical Professor of Pediatrics, 745 Massachusetts Ave.
- FRITZ B. TALBOT, M.D., Clinical Professor of Pediatrics, 270 Commonwealth Ave.
- KENNETH D. BLACKFAN, M.D., Thomas Morgan
  Rotch Professor of Pediatrics, Children's Hospital.
- LEROY M. S. MINER, D.M.D., M.D., Professor of Clinical Oral Surgery and Dean of the Dental School,

  153 Newbury St.
- HILBERT F. DAY, M.D., Instructor in Surgery,
  45 Bay State Road.
- WILLIAM L. MOSS, M.D., Assistant Professor of Bacteriology and Immunology, Harvard Medical School.
- EDWARD P. RICHARDSON, M.D., Associate Professor of Surgery, Massachusetts General Hospital.
- GEORGE C. SHATTUCK, M.D., A.M., Assistant Professor of Tropical Medicine, 135 Marlborough St.
- CHANNING FROTHINGHAM, M.D., Assistant Professor of Medicine, Peter Bent Brigham Hospital.
- ROBERT M. GREEN, M.D., Assistant Professor of Applied Anatomy and Instructor in Gynaecology, 496 Commonwealth Ave.
- GEORGE W. HOLMES, M.D., Assistant Professor of Roentgenology, 265 Charles St.
- VARAZTAD H. KAZANJIAN, D.M.D., M.D., Professor of Clinical Oral Surgery, 224 Commonwealth Ave.
- JAMES B. AYER, M.D., Assistant Professor of Neurology, 475 Commonwealth Ave.
- FRED A. BECKFORD, D.M.D., Professor of Prosthetic Dentistry, 358 Commonwealth Aye.
- FRANCIS W. PEABODY, M.D., Professor of Medicine,
  Thorndike Memorial Laboratory, Boston City Hospital.
- A. WATSON SELLARDS, M.D., Assistant Professor of Tropical Medicine, Harvard Medical School.
- RICHARD M. SMITH, M.D., Asssistant Professor of Child Hygiene, 66 Commonwealth Ave.

- HILDING BERGLUND, M.D., S.D., Assistant Professor of Medicine, Harvard Medical School.
- ALEXANDER FORBES, M.D., Associate Professor of Physiology, Harvard Medical School.
- REGINALD FITZ, M.D., Associate Professor of Medicine, Peter Bent Brigham Hospital.
- JAMES L. GAMBLE, M.D., Associate Professor of Pediatrics, 33 Edgehill Road, Brookline.
- FREDERICK C. IRVING, M.D., Assistant Professor of Obstetrics, 443 Beacon St.
- HARRY P. CAHILL, M.D., Instructor in Otology, 514 Commonwealth Ave.
- JAMES H. MEANS, M.D., Jackson Professor of Clinical Medicine, Massachusetts General Hospital.
- \*RICHARD D. BELL, M.D., Assistant Professor of Biological Chemistry, Harvard Medical School.
- WILLIAM T. BOVIE, Ph.D., Assistant Professor of Bio-Physics, 695 Huntington Ave.
- CECIL K. DRINKER, M.D., Professor of Physiology, Harvard School of Public Health.
- GEORGE R. MINOT, M.D., Assistant Professor of Medicine, 188 Marlborough St.
- KARL M. BOWMAN, M.D., Instructor in Psychiatry,
  74 Fenwood Road.
- EDWARD A. BOYDEN, Ph.D., Assistant Professor of Comparative Anatomy, Harvard Medical School.
- GILBERT HORRAX, M.D., Instructor in Surgery,
  Peter Bent Brigham Hospital.
- FRANCIS M. RACKEMANN, M.D., Instructor in Medicine, 263 Beacon St.
- STANLEY COBB, M.D., Associate Professor of Neuropathology, Harvard Medical School.
- ARLIE V. BOCK, M.D., Assistant Professor of Medicine,
  Massachusetts General Hospital.
- LLOYD D. FELTON, M.D., D.Sc., Assistant Professor of Preventive Medicine and Hygiene, Harvard Medical School.
- CYRUS H. FISKE, M.D., Assistant Professor of Biological Chemistry, Harvard Medical School.
- HARRY C. TRIMBLE, Ph.D., Assistant Professor of Biological Chemistry, Harvard Medical School.
- JOSEPH C. AUB, M.D., Assistant Professor of Medicine, Massachusetts General Hospital.

<sup>\*</sup> Leave of absence, 1925-26.

- J. HOWARD MUELLER, Ph.D., Silas Arnold Houghton
  Assistant Professor of Bacteriology and Immunology,
  Harvard Medical School.
- CYRUS C. STURGIS, M.D., Assistant Professor of Medicine, Peter Bent Brigham Hospital.
- JOSEPH T. WEARN, M.D., Assistant Professor of Medicine, Thorndike Memorial Laboratory, Boston City Hospital.
- MERRILL C. SOSMAN, M.D., Instructor in Roentgenology, Peter Bent Brigham Hospital.
- EDWIN J. COHN, Ph.D., Assistant Professor of Physiological Chemistry, Harvard Medical School.
- ALFRED C. REDFIELD, Ph.D., Assistant Professor of Physiology, Harvard Medical School.
- LAWRENCE W. SMITH, M.D., Instructor in Pathology, Harvard Medical School.
- DONALD L. AUGUSTINE, Sc.D., Instructor in Helminthology, Harvard Medical School.

# OTHER INSTRUCTORS IN THE HARVARD MEDICAL SCHOOL\*

ADDRESS†

- LANGDON FROTHINGHAM, M.D.V., Assistant in Comparative Pathology, 476 Beacon St.
- PERCY R. HOWE, D.D.S., Instructor in Pathology, 199 Marlborough St.
- WILLIAM E. DEEKS, M.D., Lecturer in Tropical
  Medicine, Care United Fruit Co., 17 Battery Place, New York, N. Y.
- JOSEPH L. GOODALE, M.D., Instructor in Laryngology, 258 Beacon St.
- CHARLES D. KNOWLTON, M.D., Instructor in Laryngology, 395 Commonwealth Ave.
- DANIEL F. JONES, M.D., Associate in Surgery, 195 Beacon St.
- HARRY A. BARNES, M.D., Instructor in Laryngology,
  520 Commonwealth Ave.
- MAYNARD LADD, M.D., Associate in Pediatrics, 270 Clarendon St.
- ROBERT SOUTTER, M.D., Instructor in Orthopaedic Surgery, 253 Newbury St.
- JOSEPH W. SCHERESCHEWSKY, M.D., Associate in Preventive Medicine and Hygiene, Harvard Medical School.
- \* Arranged on the basis of collegiate seniority.

  Other instructors, teaching in the Courses for Graduates, will be found listed in the several pamphlets of that department.

† The address is Boston, unless otherwise stated.

- GEORGE A. DIX, M.D., Instructor in Syphilology,
  6 Ashland St., Worcester
- D. CROSBY GREENE, M.D., Instructor in Laryngology, 23 Bay State Road.
- HARRY F. HARTWELL, M.D., Instructor in Surgery,
  Massachusetts General Hospital.
- CHANNING C. SIMMONS, M.D., Instructor in Surgery, 205 Beacon St.
- JAMES R. TORBERT, M.D., Instructor in Obstetrics, 252 Marlborough St.
- ARTHUR T. LEGG, M.D., Instructor in Orthopaedic Surgery, 535 Beacon St.
- RICHARD G. WADSWORTH, M.D., Assistant in Gyn-aecology, 520 Commonwealth Ave.
- NATHANIEL R. MASON, M.D., Instructor in Obstetrics, and in Gynaecology, 483 Beacon St.
- JAMES W. SEVER, M.D., Instructor in Orthopaedic Surgery, 321 Dartmouth St.
- WILLIAM I. WIGGIN, M.D., Assistant in Laryngology, 226 Central St., Lowell.
- ALEXANDER H. RICE, M.D., Lecturer on Diseases of South America, 901 Fifth Ave., New York.
- ROBERT L. DENORMANDIE, M.D., Instructor in Obstetrics, 355 Marlborough St.
- FREDERICK E. GARLAND, M.D., Instructor in Larryngology, 483 Beacon St.
- FRANCIS W. PALFREY, M.D., Instructor in Medicine,
  311 Beacon St.
- ARTHUR M. GREENWOOD, M.D., Assistant in Dermatology, 416 Marlborough St.
- PATRICK F. BUTLER, M.D., Instructor in Roentgenology, 35 Bay State Road.
- WILLIAM D. SMITH, M.D., Instructor in Medicine,
  99 Commonwealth Ave.
- GEORGE H. WRIGHT, D.M.D., Assistant in Laryngology, 149 Newbury St.
- E. LAWRENCE OLIVER, M.D., Instructor in Dermatology, 479 Commonwealth Ave.
- FREDERICK L. GOOD, M.D., Assistant in Gynaecology,
  20 Commonwealth Ave.
- EDWARDS W. HERMAN, M.D., Assistant in Laryngology, 23 Bay State Road.
- JOHN T. WILLIAMS, M.D., Assistant in Gynaecology, 429 Beacon St.
- GERALD BLAKE, M.D., Instructor in Medicine, 311 Beacon St.

- FREDERICK L. BOGAN, M.D., Instructor in Otology,
  1069 Boylston St.
- FRANK R. OBER, M.D., Instructor in Orthopaedic Surgery, 234 Marlborough St.
- WYMAN WHITTEMORE, M.D., Instructor in Surgery,
  199 Beacon St.
- HENRY LYMAN, M.D., Assistant in Biological Chemistry, Huntington Hospital.
- ALPHA R. SAWYER, M.D., Assistant in Genito-Urinary Surgery, 483 Beacon St.
- WILLIAM E. LADD, M.D., Instructor in Surgery,
  66 Commonwealth Ave.
- MARTIN W. PECK, M.D., Instructor in Psychiatry, 74 Fenwood Road.
- PHILIP H. SYLVESTER, M.D., Instructor in Pediatrics, 25 Bay State Road.
- FRANK A. HAMILTON, M.D., Assistant in Anatomy, 1426 Commonwealth Ave., Brighton.
- WALTER L. TREADWAY, M.D., Associate in Preventive Medicine and Hygiene, Harvard Medical School.
- LLOYD T. BROWN, M.D., Instructor in Orthopaedic Surgery, 372 Marlborough St.
- HENRY J. FITZSIMMONS, M.D., Instructor in Orthopaedic Surgery, 520 Beacon St.
- OLIVER A. LOTHROP, M.D., Instructor in Otology, 101 Beacon St.
- CHARLES A. McDONALD, M.D., Instructor in Neurology, 106 Waterman St., Providence, R. I.
- AUGUSTUS RILEY, M.D., Instructor in Genito-Urinary Surgery, 868 Beacon St.
- FREDERICK L. WELLS, Ph.D., Instructor in Experimental Psychopathology, 74 Fenwood Road.
- HAROLD W. BAKER, M.D., Assistant in Gynaecology, 20 Mt. Vernon St.
- CHARLES O. DAY, M.D., Assistant in Otology, 298 Marlborough St.
- TORR W. HARMER, M.D., Assistant in Anatomy and in Surgery, 416 Marlborough St.
- RALPH A. HATCH, M.D., Assistant in Ophthalmology, 390 Commonwealth Ave.
- OSCAR J. RAEDER, M.D., Instructor in Psychiatry
  270 Commonwealth Ave.
- DELBERT L. JACKSON, M.D., Assistant in Obstetrics, 472 Commonwealth Ave.
- JOHN B. SWIFT, Jr., M.D., Assistant in Obstetrics, 374 Marlborough St.

GEORGE CLYMER, M.D., Instructor in Neurology,
126 Bay State Road.

BRONSON CROTHERS, M.D., Instructor in Neurology and Assistant in Pediatrics, 270 Commonwealth Ave.

WILLIAM A. HINTON, M.D., Instructor in Bacteriology and in Preventive Medicine and Hygiene,

Harvard Medical School.

RICHARD H. MILLER, M.D., Instructor in Surgery,
270 Commonwealth Ave.

EDWIN B. GOODALL, M.D., Assistant in Ophthalmology, 15 Bay State Road

C. GUY LANE, M.D., Assistant in Dermatology, 416 Marlborough St.

OSCAR R. T. L'ESPERANCE, M.D., Assistant in Genito-Urinary Surgery, 100 Boylston St.

HYMAN MORRISON, M.D., Assistant in Medicine, 483 Beacon St.

D. CAMPBELL SMYTH, M.D., Assistant in Laryngology, 375 Commonwealth Ave.

LORING T. SWAIM, M.D., Assistant in Orthopaedic Surgery, 372 Marlborough St.

HENRY S. FORBES, M.D., Research Fellow in Neuro-pathology, Harvard Medical School.

JOSEPH BEQUAERT, Ph.D., Instructor in Entomology, Dept. of Tropical Medicine, Harvard Medical School.

OTTO J. HERMANN, M.D., Instructor in Surgery,

520 Commonwealth Ave.

FOSTER S. KELLOGG, M.D., Instructor in Obstetrics,

19 Bay State Road.

FRANK A. PEMBERTON, M.D., Instructor in Gynaecology, 198 Commonwealth Ave.

HUGO B. C. RIEMER, M.D., Assistant in Ophthalmology, 220 Clarendon St.

WARREN R. SISSON, M.D., Assistant in Pediatrics, 270 Commonwealth Ave.

HAROLD G. TOBEY, M.D., Assistant in Laryngology, 270 Commonwealth Ave.

ROBERT C. COCHRANE, M.D., Instructor in Surgery and in Genito-Urinary Surgery, 86 Bay State Road.

GEORGE A. LELAND, Jr., M.D., Instructor in Surgery, 144 Commonwealth Ave.

EDWIN T. WYMAN, M.D., Instructor in Pediatrics, 483 Beacon St.

J. HARPER BLAISDELL, M.D., Assistant in Dermatology, 45 Bay State Road.

PAUL W. EMERSON, M.D., Assistant in Pediatrics, 86 Bay State Road.

RICHARD S. EUSTIS, M.D., Assistant in Pediatrics,
66 Commonwealth Ave.

ALBERT A. HORNOR, M.D., Assistant in Tropical Medicine, 86 Bay State Road.

CHARLES T. PORTER, M.D., Instructor in Otology, 520 Commonwealth Ave.

DOUGLAS A. THOM, M.D., Instructor in Psychiatry, 520 Commonwealth Ave.

PAUL D. WHITE, M.D., Instructor in Medicine,
Massachusetts General Hospital.

GEORGE H. BINNEY, M.D., Assistant in Surgery,
45 Bay State Road.

ARTHUR W. ALLEN, M.D., Instructor in Surgery,
99 Commonwealth Ave.

FRANCIS B. GRINNELL, M.D., Instructor in Bacteriology, Harvard Medical School.

PHILIP D. WILSON, M.D., Instructor in Orthopaedic Surgery, 372 Marlborough St.

DELOS J. BRISTOL, Jr., M.D., Assistant in Obstetrics,
355 Marlborough St.

JOSEPH P. COHEN, M.D., Assistant in Gynaecology,
466 Commonwealth Ave.

GEORGE P. DENNY, M.D., Physician to Students,
Director of Alumni Appointments and Director of
Scholarships,
Harvard Medical School.

JAMES HITCHCOCK, M.D., Assistant in Medicine,
311 Beacon St.

WILLIAM G. LENNOX, M.D., Assistant-in Medicine, and Research Fellow in Neuropathology, Harvard Medical School.

EDWARD B. SHEEHAN, M.D., Assistant in Gynae-cology, 475 Commonwealth Ave.

WILLIAM L. AYCOCK, M.D., Associate in Preventive
Medicine and Hygiene, Harvard Medical School.

HARRY C. SOLOMON, M.D., Associate in Psychiatry and Instructor in Neuropathology, 270 Commonwealth Ave.

W. RICHARD OHLER, M.D., Instructor in Medicine, 270 Commonwealth Ave.

ALBERT A. SHAPIRA, M.D., Instructor in Anatomy, 587 Beacon St.

MARIUS N. SMITH-PETERSEN, M.D., Instructor in Orthopaedic Surgery, 31 Bay State Road.

AUSTIN W. CHEEVER, M.D., Assistant in Syphilology, 472 Commonwealth Ave.

LEWIS W. HILL, M.D., Assistant in Pediatrics, 483 Beacon St.

HAROLD V. HYDE, M.D., Assistant in Gynaecology, 483 Beacon St.

WILLIAM R. MORRISON, M.D., Assistant in Anatomy, 520 Commonwealth Ave.

HORACE K. SOWLES, M.D., Assistant in Surgery,
279 Clarendon St.

RAPHAEL ISAACS, M.D., Instructor in Medicine,

Huntington Hospital.

SAMUEL A. LEVINE, M.D., Alumni Instructor in 270 Commonwealth Ave. Medicine,

SAMUEL R. MEAKER, M.D., Instructor in Anatomy, and Secretary, Courses for Graduates, Harvard Medical School.

DONALD MUNRO, M.D., Instructor in Anatomy and Assistant in Surgery, 15 Bay State Road.

H. ARCHIBALD NISSEN, M.D., Alumni Instructor in 205 Beacon St. Medicine,

HAROLD B. EATON, M.D., Assistant in Neurology,

222 Marlborough St.

HYMAN GREEN, M.D., Assistant in Pediatrics, 483 Beacon St.

EDWARD HARDING, M.D., Assistant in Surgery,

355 Marlborough St.

DONALD J. MACPHERSON, M.D., Assistant in Neuropathology, 270 Commonwealth Ave.

REGINALD D. MARGESON, M.D., Assistant in Anat-520 Commonwealth Ave.

J. HERBERT WAITE, M.D., Assistant in Ophthalmology, 23 Bay State Road.

RONALD M. FERRY, M.D., Instructor in Physiologi-Harvard Medical School. cal Chemistry,

G. PHILIP GRABFIELD, M.D., Instructor in Pharmacology and Assistant in Medicine, 23 Bay State Road.

MONROE A. McIVER, M.D., Instructor in Surgery, Massachusetts General Hospital.

HENRY R. VIETS, M.D., Instructor in Neurology, Hotel Canterbury, 14 Charlesgate West.

THOMAS R. GOETHALS, M.D., Assistant in Obstetrics, 443 Beacon St.

PAUL GUSTAFSON, M.D., Assistant in Obstetrics, 475 Commonwealth Ave.

DONALD S. KING, M.D., Assistant in Medicine, 205 Beacon St.

ARTHUR B. LYON, M.D., Assistant in Pediatrics,

270 Commonwealth Ave.

BENJAMIN H. RAGLE, M.D., Assistant in Medicine, 226 Marlborough St.

BENGT L. K. HAMILTON, M.D., Sc.D., Instructor Children's Hospital. in Pediatrics,

CHESTER M. JONES, M.D., Instructor and Henry Pickering Walcott Fellow in Clinical Medicine, Massachusetts General Hospital. PHILIP E. MELTZER, M.D., Instructor in Otology,
20 Charlesgate West.

F. DENNETTE ADAMS, M.D., Assistant in Medicine, 226 Marlborough St.

MAURICE FREMONT-SMITH, M.D., Assistant in Medicine, 99 Commonwealth Ave.

JAMES C. KIRBY, M.D., Assistant in Laryngology,
496 Commonwealth Ave.

WILLIAM A. ROGERS, M.D., Assistant in Surgery,
90 Bay State Road.

CHARLES S. WOODALL, M.D., Research Fellow in
Biological Chemistry and Fellow of the National
Research Council,

52 Ivy St.

WILLIAM B. YOUNG, M.D., Assistant in Obstetrics,

479 Beacon St.

ALBERT H. BREWSTER, M.D., Instructor in Orthopaedic Surgery, 234 Marlborough St.

RALPH K. GHORMLEY, M.D., Instructor in Orthopaedic Surgery, 234 Marlborough St.

ROBERT N. NYE, M.D., Instructor in Bacteriology and Immunology Boston City Hospital.

HAROLD C. STUART, M.D., Instructor in Pediatrics, 270 Commonwealth Ave.

FLETCHER H. COLBY, M.D., Assistant in Genito-Urinary Surgery, 472 Commonwealth Ave.

ROBERT D. CURTIS, M.D., Assistant in Pediatrics,
66 Commonwealth Ave.

WILLIAM P. MURPHY, M.D., Assistant in Medicine,
311 Beacon St.

ELI C. ROMBERG, M.D., Assistant in Pediatrics,
68 Bay State Road.

JOHN T. LEWIS, M.D., Research Fellow in Physiology, Harvard Medical School.

FRANCIS C. NEWTON, M.D., Instructor in Surgery,
Peter Bent Brigham Hospital.

THOMAS K. RICHARDS, M.D., Instructor in Surgery, 520 Commonwealth Ave.

ROBERT C. CHENEY, M.D., Assistant in Ophthalmology, 23 Bay State Road.

HARRY P. FINCK, M.D., Assistant in Otology, 68 Bay State Road.

JOSEPH GARLAND, M.D., Assistant in Pediatrics,

270 Commonwealth Ave.

HENRY JACKSON, Jr., M.D., Assistant in Medicine, Hammond St., Chestnut Hill.

FREDERICK J. LYNCH, M.D., Assistant in Gynae-cology, 353 Commonwealth Ave.

- JOHN C. ROCK, M.D., Assistant in Obstetrics, 24 Marlborough St.
- JUDSON A. SMITH, M.D., Alumni Assistant in Obstetrics, 475 Commonwealth Ave.
- W. T. SHERMAN THORNDIKE, M.D., Assistant in Obstetrics, 24 Marlborough St.
- TRACY J. PUTNAM, M.D., Arthur Tracy Cabot Fellow, in charge of the Laboratory of Surgical Research,

108 Marlborough St.

- WILLIAM C. BOECK, Ph.D., Research Fellow in Comparative Pathology, Harvard Medical School.
- FRANKLIN A. DEM. CAMPOS, M.D., Research Fellow in Physiology, 117 Audubon Road.
- EDWARD D. CHURCHILL, M.D., Instructor in Surgery, Massachusetts General Hospital.
- CHARLES L. CONNOR, M.D., Instructor in Pathology and Fellow of the National Research Council,

Peter Bent Brigham Hospital.

- GEORGE F. FORSTER, Ph.D., Instructor in Bacteriology and Immunology, Harvard Medical School.
- CHARLES C. LUND, M.D., Instructor in Surgery, 527 Beacon St.
- ELLIOTT S. A. ROBINSON, M.D., Instructor in Bacteriology and in Preventive Medicine and Hygiene,
  375 South St., Jamaica Plain.
- JOSEPH H. BURNETT, M.D., Assistant in Anatomy,
  483 Beacon St.
- PERCY B. DAVIDSON, M.D., Assistant in Medicine,
  483 Beacon St.
- RICHARD DRESSER, M.D., Assistant in Roentgenology.

  Massachusetts General Hospital.
- EDWARD S. EMERY, Jr., M.D., Assistant in Medicine, 520 Commonwealth Ave.
- WILLIAM L. McCLURE, M.D., Alumni Assistant in Massachusetts General Hospital.
- MILLARD SMITH, M.D., Assistant in Medicine,

325 Longwood Ave.

- RICHARD C. TEFFT, Jr., M.D., Assistant in Pediatrics,

  Boston City Hospital.
- HARLAN F. NEWTON, M.D., Austin Teaching Fellow in Surgery, Peter Bent Brigham Hospital.
- JOSEPH V. TAYLOR, M.D., Teaching Fellow in Obstetrics, 221 Longwood Ave.
- HAROLD L. WEATHERFORD, A.M., Austin Teaching Fellow in Histology, Harvard Medical School.
- \*TRACY B. MALLORY, M.D., Instructor in Bacteriology. 116 Longwood Ave., Brookline.

<sup>\*</sup>On leave of absence, 1925-26.

HERRMANN L. BLUMGART, M.D., Assistant in Medicine, Thorndike Memorial Laboratory, Boston City Hospital.

RANDOLPH K. BYERS, M.D., Assistant in Pediatrics,
66 Commonwealth Ave.

EDWIN B. DUNPHY, M.D., Assistant in Opthalmology, 520 Commonwealth Ave.

FRANK FREMONT-SMITH, M.D., Assistant in Neuropathology, Harvard Medical School.

CLEMENTS C. FRY, M.D., Assistant in Psychiatry,
74 Fenwood Road.

GERALD N. HOEFFEL, M.D., Alumni Assistant in Pediatrics, Children's Hospital.

ELIOT H. LUTHER, M.D., Assistant in Pediatrics, 94 Angell St., Providence, R.I.

WILLIAM L. McNAMARA, M.D., Assistant in Pathology, 238 Hemenway St.

BARRY J. ANSON, A.M., Fellow in Histology and Fellow of the National Research Council, Harvard Medical School.

JOHN S. LAWRENCE, M.D., Edward Hickling Bradford Fellow in Medical Research, Massachusetts General Hospital.

JAMES A. KENNEDY, Ph.D., Rsesarch Fellow in Bacteriology and Fellow of the National Research Council,

Harvard Medical School.

WILFRED L. McKENZIE, M.D., Research Fellow in Child Hygiene, Children's Hospital.

FEI-FANG TANG, M.D., Research Fellow in Bacteriology, Harvard Medical School.

WALTER G. O. CHRISTIANSEN, S.B., Instructor in Pharmacology. Harvard Medical School.

HENRY PINKERTON, M.D., Instructor in Pathology,
Children's Hospital.

SHIELDS WARREN, M.D., Instructor in Pathology,
Harvard Medical School.

CHARLES F. McKHANN, M.D., Assistant in Pediatrics, Children's Hospital.

GRANTLEY W. TAYLOR, M.D., Assistant in Surgery, 520 Commonwealth Ave.

MAX THEILER, M.R.C.S., Assistant in Tropical Medical School.

Cine, Harvard Medical School.

LOUIS WOLFF, M.D., Assistant in Medicine, 270 Commonwealth Ave.

BEATRICE C. SEEGAL, M.D., Research Fellow in Pathology and Fellow of National Research Council,

Harvard Medical School.

ROBERT C. LONERGAN, M.D., Teaching Fellow in Orthopaedic Surgery, Children's Hospital.

JACK H. SANDGROUND, M.D., Instructor in Tropical Helminthology, 4 Euston St., Brookline.

H. LORENZO EMIDY, M.D., Assistant in Pediatrics,
Children's Hospital.

CHARLES E. TEEL, M.D., Assistant in Genito-Urinary Surgery, Peter Bent Brigham Hospital.

WILLARD O. THOMPSON, M.D., Research Fellow in Massachusetts General Hospital.

CHARLES L. BROWN, M.D., Teaching Fellow in Medicine,
Peter Bent Brigham Hospital.

EMBREE R. ROSE, M.D., Teaching Fellow in Biological Chemistry, Harvard Medical School.

JOHN I. BRADLEY, M.D., Assistant in Anatomy,

Boston City Hospital.

CARLOS CHAGAS, A.M., Lecturer on Tropical Medicine, Oswaldo Cruz Institute, Rio de Janeiro, Brazil.

JOSEPH A. JOHNSTON, M.D., Assistant in Pediatrics, Children's Hospital.

EDOUARD WILLOCX, M.D., Research Fellow in Medicine, Thorndike Memorial Laboratory, Boston City Hospital.

VLADIMIR T. DIMITROFF, Sc.D., Austin Teaching Fellow in Pathology, Harvard Medical School.

DAVID BRUNSWICK, Ph.D., Instructor in Physiology, Harvard Medical School.

JOHN F. SANDER, M.D., Assistant in Pediatrics,

Children's Hospital.

LAWRENCE W. SLOAN, M.D., Assistant in Anatomy,
117 Audubon Road.

THOMAS P. HUGHES, M.A., Research Fellow in Bacteriology and Fellow of the National Research Council,

Harvard Medical School.

YELLAPRAGADA SUBBA ROW, M.B., Research Fellow in Biological Chemistry, Harvard Medical School.

ELLIOTT T. ADAMS, S.B., Austin Teaching Fellow in Biological Chemistry, Harvard Medical School.

FRANK S. DAVENPORT, B.S., Teaching Fellow in Physiology, 74 Fenwood Road.

CARL E. JOHNSON, A.B., Assistant in Histology,
74 Fenwood Road.

SYDNEY W. BRITTON, M.D., Research Fellow in Physiology and Fellow of the National Research Council, Harvard Medical School.

CLAUDE E. FORKNER, M.A., Teaching Fellow in Histology, New England Deaconess Hospital.

ELROY F. SHELDON, A.M., Teaching Fellow in Histology, Harvard Medical School.

CLYDE S. TARTER, B.S., Assistant in Anatomy,
53 Linden St., Brookline.

- PHILIP BARD, A.M., Teaching Fellow in Physiology,
  Harvard Medical School.
- MAGNUS I. GREGERSEN, A.M., Teaching Fellow in Physiology, 18 Ware St., Cambridge.
- VLADIMIR A. PERTZOFF, S.B., Teaching Fellow in Physiology, Harvard Medical School.
- HARRY H. POWERS, A.B., Teaching Fellow in Biological Chemistry, 38 Bowker St., Brookline.
- CECIL C. COLE, A.B., Assistant in Comparative Anatomy, 152 Aspinwall Ave., Brookline.
- JOSEPH DeFRATES, B.S., Teaching Fellow in Biological Chemistry, Harvard Medical School.
- ROBERT E. FLEMING, B.S., Teaching Fellow in Histology, 7 Vancouver St.
- CLARENCE A. MORRELL, A.M., Teaching Fellow in Biological Chemistry, Harvard Medical School.
- MYRTELLE M. CANAVAN, M.D., Curator of the Warren Museum, Harvard Medical School.

#### ADMINISTRATIVE OFFICERS OF THE MEDICAL SCHOOL

- President: Abbott Lawrence Lowell, Ll.B., Ll.D., Ph.D. Office, 5 University Hall, Cambridge.
- Dean: DAVID L. EDSALL, M.D., S.D.
  - Office, Room 104, Administration Building, Medical School. Office hours by appointment.
- Assistant Dean: WORTH HALE, M.D.
  - Office, Room 104, Administration Building, Medical School. Office hours, Monday, Tuesday, Wednesday, and Friday, 4 to 5 p.m., and by appointment.
- Secretary: Louisa C. Richardson, a.B. Office, Room 104, Administration Building, Medical School.
- Director of Scholarships in the Medical School: George P. Denny, M.D. Office, Room 386, Building D I, Medical School. Office hours, Monday, Tuesday, and Thursday, 3-4 P.M.
- Director of Appointments for Medical Alumni: George P. Denny, M.D. Office, Room 386, Building D I. Office hours, Monday, Tuesday, and Thursday, 3-4 P.M.
- Adviser to Students in Harvard College preparing for the study of Medicine: Bronson Crothers, M.D., 12 Francis St., Cambridge. Office hours, by appointment. Telephone, Porter 1197.

Chairman of the Division of Medical Sciences of the Faculty of Arts and Sciences: Reid Hunt, M.D., Ph.D., Harvard Medical School.

Office hours by appointment.

Physician to Students: George P. Denny, M.D.

Office, Room 386, Building D I, Medical School. Office hours, Monday, Wednesday, and Friday, 12-1 P.M., or by appointment. Telephone, Back Bay 7680.

The Bursar's Office is in Lehman Hall, Cambridge. It is open daily, except Sundays and holidays, from 9 to 1, for the receipt of fees, payments, and other financial business.

#### COMMITTEE OF PROFESSORS

A. LAWRENCE LOWELL, LL.B., LL.D., PH.D., PRESIDENT.

DAVID L. EDSALL, M.D., S.D., DEAN.

NATHANIEL ALLISON, M.D., Professor of Orthopaedic Surgery.

KENNETH D. BLACKFAN, M.D., Professor of Pediatrics.

J. Lewis Bremer, M.D., Associate Professor of Histology.

RICHARD C. CABOT, M.D., Professor of Clinical Medicine.

C. Macfie Campbell, M.D., Professor of Psychiatry.

WALTER B. CANNON, M.D., George Higginson Professor of Physiology.

DAVID CHEEVER, M.D., Associate Professor of Surgery.

HENRY A. CHRISTIAN, M.D., Hersey Professor of the Theory and Practice of Physic.

STANLEY COBB, M.D., Associate Professor of Neuropathology.

HARVEY CUSHING, M.D., S.D., LL.D., Moseley Professor of Surgery.

George S. Derby, M.D., Williams Professor of Opthalmology.

CECIL K. DRINKER, M.D., Professor of Physiology.

REGINALD FITZ, M.D., Associate Professor of Medicine.

Otto Folin, Ph.D., S.D., M.D., Hamilton Kuhn Professor of Biological Chemistry.

ALEXANDER FORBES, M.D., Associate Professor of Physiology.

James L. Gamble, M.D., Associate Professor of Pediatrics.

WILLIAM P. GRAVES, M.D., Professor of Gynaecology.

WORTH HALE, M.D., Associate Professor of Pharmacology.

LAWRENCE J. HENDERSON, M.D., Professor of Biological Chemistry.

Reid Hunt, M.D., Ph.D., Professor of Pharmacology.

FREDERIC T. LEWIS, M.D., Associate Professor of Embryology.

WILLIAM J. L. H. LYSTER, M.D., D.P.H., LT. Col., U. S. Army, Professor of Military Science and Tactics.

James H. Means, M.D., Jackson Professor of Clinical Medicine.

HARRIS P. MOSHER, M.D., Professor of Laryngology.

- FRANKLIN S. NEWELL, M.D., Professor of Clinical Obstetrics.
- ROBERT B. OSGOOD, M.D., John B. and Buckminster Brown Professor of Orthopaedic Surgery.
- FRANCIS W. PEABODY, M.D., Professor of Medicine.
- CHARLES A. PORTER, M.D., John Homans Professor of Surgery.
- WILLIAM T. PORTER, M.D., LL.D., S.D., Professor of Comparative Physiology.
- EDWARD P. RICHARDSON, M.D., Associate Professor of Surgery.
- MILTON J. ROSENAU, M.D., A.M., Charles Wilder Professor of Preventive Medicine and Hygiene.
- RICHARD P. STRONG, M.D., S.D., Professor of Tropical Medicine.
- EDWARD W. TAYLOR, M.D., James Jackson Putnam Professor of Neurology.
- Ernest E. Tyzzer, M.D., George Fabyan Professor of Comparative Pathology.
- Frederick H. Verhoeff, M.D., Professor of Opthalmic Research.
- D. HAROLD WALKER, M.D., Walter Augustus Lecompte Professor of Otology.
- JOHN WARREN, M.D., Associate Professor of Anatomy.
- Charles J. White, M.D., Edward Wigglesworth Professor of Dermatology.
- S. Burt Wolbach, M.D., Shattuck Professor of Pathological Anatomy.
- HANS ZINSSER, M.D., Professor of Bacteriology and Immunology.

# ADMINISTRATIVE BOARD

- PRESIDENT, A. LAWRENCE LOWELL, LL.B., LL.D., Ph.D. (ex officio).
- DEAN, DAVID L. EDSALL, M.D., S.D. (ex officio), Chairman.
- HARVEY CUSHING, M.D., Professor of Surgery.
- REID HUNT, M.D., Professor of Pharmacology.
- J. LEWIS BREMER, M.D., Associate Professor of Histology.
- WALTER B. CANNON, M.D., Professor of Physiology.
- C. MACFIE CAMPBELL, M.D., Professor of Psychiatry.
- WORTH HALE, M.D., Associate Professor of Pharmacology.
- S. BURT WOLBACH, M.D., Professor of Pathology.
- HANS ZINSSER, M.D., Professor of Bacteriology and Immunology.
- KENNETH D. BLACKFAN, M.D., Professor of Pediatrics.
- FRANCIS W. PEABODY, M.D., Professor of Medicine.
- JAMES H. MEANS, M.D., Professor of Medicine.

## OTHER COMMITTEES

- Visiting Committee of the Medical School appointed by the Board of Overseers. Homer Gage, William S. Thayer, Richard Derby, Franklin G. Balch, Hugh Williams, Roger Pierce, George Nichols, Charles W. Eliot, George Gray Sears, Ernest G. Stillman, Henry B. Jacobs, Walter P. Bowers, Stephen Rushmore, David J. Evans.
- Admission of Students to First Year. Worth Hale, Chairman, J. Lewis Bremer, Walter B. Cannon, Otto Folin, Edwin A. Locke, Richard H. Miller.
- Admission to Advanced Standing. WORTH HALE, Chairman, J. LEWIS BREMER, WALTER B. CANNON, REID HUNT, GEORGE R. MINOT, PAUL D. WHITE, S. BURT WOLBACH.
- Animals. Henry S. Thompson, Chairman, Walter B. Cannon, Cecil K. Drinker, Lloyd D. Felton, J. Howard Mueller, William C. Quinby, Louis A. Shaw, Joseph T. Wearn.
- Artistic and Memorial Objects. Charles A. Coolidge, Chairman, Dean Edsall, Edward W. Forbes, Henry Lyman.
- Assignment of Space. John Warren, Chairman, David L. Edsall, Walter B. Cannon, Worth Hale.
- Examinations. David L. Edsall, Chairman, Nathaniel Allison, Vice-Chairman, President Lowell, William S. Thayer, Joseph C. Aub, Hilding Berglund, Kenneth D. Blackfan, Stanley Cobb, Cecil K. Drinker, Reginald Fitz, James L. Gamble, Worth Hale, John Homans, Frederick C. Irving, James H. Means, Richard H. Miller, George R. Minot, William R. Ohler, William C. Quinby, Francis M. Rackemann, Edward P. Richardson, A. Watson Sellards, Philip D. Wilson, Cyrus C. Sturgis, Secretary.
- Graduate Courses. Francis W. Peabody, Chairman, J. Lewis Bremer, Lincoln Davis, Cecil K. Drinker, Harris P. Mosher.
- Library.—Elliott P. Joslin, Chairman, David Cheever, Cyrus H. Fiske, Frederic T. Lewis, Edward C. Streeter, Ernest E. Tyzzer, S. Burt Wolbach.
- Microscopes. J. Lewis Bremer, Chairman, William L. Moss, S. Burt Wolbach.
- Public Lectures. Percy G. Stiles, Chairman, Reid Hunt, S. Burt Wolbach.
- Scholarships and Students' Aid. George P. Denny, Chairman, David L. Edsall, J. Lewis Bremer, Walter B. Cannon, Reid Hunt.

# HARVARD MEDICAL SCHOOL BOSTON

# REQUIREMENTS FOR ADMISSION

All candidates must present evidence satisfactory to the Committee on Admission not simply that they have passed the courses necessary to fulfil the requirements, but also that their college work has been of such character as to give promise of work of high quality in the medical course.

On the above basis this School considers for admission to its classes graduates in arts or in science of approved colleges or scientific schools.

In exceptional cases applicants without a degree who have completed two or more years of work in a college or scientific school of high rank, provided they present certificates that they have scholastic standing placing them in the first third of their class, may be admitted.

# LANGUAGE AND SCIENCE REQUIREMENTS\*

- (a) All applicants must present evidence that they have such knowledge of English as is ordinarily required of all candidates for a degree in an approved college and that they have a reading knowledge of French or of German.
- (b) They must present evidence that they have college credits for at least a year's work in general inorganic chemistry, in physics, in biology, and in organic chemistry.

To meet the science requirements satisfactorily, time credit in college should be secured as follows:

- Inorganic Chemistry: A minimum of eight semester hours, of which at least four should be laboratory work.
- Organic Chemistry: A minimum of eight semester hours, of which at least four should be laboratory work.
- Physics: A minimum of eight semester hours, of which at least two should be laboratory work.
- \* It is assumed that before admission to an acceptable college a four years' course in High School or its equivalent will have been completed.

Biology: A minimum of eight semester hours (including not less than four hours of zoölogy), of which at least four should be laboratory work.

Note. — A semester hour is one hour of lecture or recitation, or two hours of laboratory work, per week for one half-year or sixteen weeks. Full courses at Harvard count as eight semester hours.

These requirements must be satisfied in full before matriculation.

Students are requested to apply for admission, on blanks obtained from the Assistant Dean, before March 1.

#### ADMISSION TO ADVANCED STANDING

Students who began their medical studies in approved medical schools may be admitted to advanced standing and become candidates for the degree of M.D. under the following conditions:—

They must have fulfilled the requirements for admission enumerated on the preceding page prior to their matriculation as students of medicine. They must be vouched for as promising men by the Dean or other responsible officer of the School from which they come.

They must furnish a certificate of time spent in medical study at least equal to that spent by the class to which they seek admission.

They must furnish certificate that they have done satisfactory laboratory and practical work in the subjects already pursued by the class to which they seek admission. The Committee on Admission will decide in each case whether examinations in the various subjects shall be required.

#### GENERAL REGULATIONS

Students are divided into four classes according to their time of study and proficiency. The Faculty reserves the right to require the withdrawal of any student at any time whenever in the opinion of his instructors it is manifest that he is incompetent for his work, or for any reason is unfit to continue his course.

Students registering in the Medical School for the first time will meet in the amphitheatre in the Administration Building, on Monday, preceding the last Wednesday in September, at 9.30 A.M.

In order that the time of study shall count as a full year, students of all classes must register on Monday, the first day of the session.

For special and approved purposes students may be allowed to take a portion of their work elsewhere than at the Harvard Medical School, provided that the application be approved by the Dean in consultation with the Administrative Board and the head of the department concerned, and provided that the student pass an examination on this work after its

completion, conducted by a member of the Faculty of the Harvard Medical School.

#### Examinations and Promotion

Each student will receive a rating in each course based upon examinations or other tests as determined by each department. These marks shall be on the scale of A, B, C, D, and E, E denoting failure.

No student is allowed to anticipate the examinations in the regular course of studies of his year except by special permission of the Administrative Board.

After two failures to pass an examination each student must pay a fee of three dollars at the Dean's Office before appearing for each additional examination in the same subject.

A Promoting Board for each of the first three years, consisting of members of each department giving the principal courses during that year, will meet in February to act upon cases presented as a result of the work of the first half-year and in June for the work of the entire year. The Boards will determine and send to the Dean's Office, before the final Faculty meeting in June, a mark for each student for the corresponding school year.

It is the duty of a Promoting Board, after receiving marks from the departments concerned, to promote those qualified, to warn or condition any student as occasion demands, to interview and examine any student of whom it is in doubt, and to recommend to the Faculty that unpromising students be requested to withdraw.

The actions of the Promoting Boards are final, subject only to the standing rules of the Faculty which follow and to confirmation by that body. Appeals from the action of the Promoting Boards must be made in writing and must be in the hands of the Assistant Dean before July 15th. The Assistant Dean is directed to refer them to the Promoting Boards, only in case there is a change in the information upon which the action was taken.

- 1. A student who fails two major subjects in one year shall withdraw from the School.
- 2. Passing in all subjects with a minimal grade is not sufficient grounds for promotion. Any student who has failed to be promoted under this rule, and who wishes to repeat the previous year, must apply to the Committee on Admission for permission to do so.
- 3. The Promoting Boards at their discretion may promote a student who has failed in one subject in a year, but such a student shall not be promoted a second time nor be allowed to take the General Examination until that failure is removed.
- 4. A student who has failed to be promoted on two occasions shall withdraw from the School.

- 5. A student failing any course shall have an opportunity for reëxamination only in September or with a succeeding class or section.
- 6. No course marks may be given out except by the Dean or Assistant Dean. The general mark given by the Promotion Board shall be announced from the Dean's Office.

The Committee on Examinations will give a General Examination to each candidate for the degree of M.D., will give him a final mark, and will recommend to the Faculty those properly qualified for the degree and for honors. The Examination will include written, oral or practical tests, at the discretion of the Committee. It will be held in June and February and may be held at other times if the Committee so decides.

The conditions under which a student may be allowed to take his General Examination, and the character and conduct of the Examination, will be determined by the Committee, subject only to the rules of the Faculty which follow:

- 1. The Committee on Examinations shall not admit a student to the General Examination unless he has passed at least seven-eighths of his fourth-year courses, including medicine and surgery, and fulfilled all of the other requirements of the Faculty.
- 2. A student who has failed three times in a General Examination shall be debarred from further attempts.

#### WITHDRAWAL FROM THE SCHOOL

A student may withdraw from the School, upon application to the Assistant Dean, for a period of one year. If reinstatement is not secured within the year, the student must apply for readmission in compliance with all the regulations governing admission to advanced standing in force at the time of reapplication. The return of fees and bond cancels registration.

#### **DEGREES**

#### DEGREE OF DOCTOR OF MEDICINE

Every candidate for the degree of Doctor of Medicine at this University must be at least twenty-one years of age, and of good moral character. He must have fulfilled all the requirements for admission to this Medical School; give evidence of having studied in a recognized medical school at least four full years, of which one year must be spent in the regular fourth-year course of this School; have passed all the required examinations; have dissected the three parts of the body to the satisfaction of the demonstrator; have taken charge of and reported on twelve cases in Obstetrics under supervision and instruction; and furnish evidence of having engaged in the practical exercises in Medicine and Surgery.

DEGREES 33

The degree of Doctor of Medicine cum laude or magna cum laude may be given to students of highest rating in the class, on recommendation of the Committee on Examinations.

Every candidate for the degree of M.D. must make application for it in writing on blanks furnished at the Dean's office, on or before May 1 of the year in which he proposes to graduate.

# HIGHER DEGREES IN THE MEDICAL SCIENCES

The degrees Master of Arts, Doctor of Philosophy, and Doctor of Medical Sciences have been established for advanced work in some special field in the Medical Sciences. The first two degrees are voted by the Faculty of Arts and Sciences upon the recommendation of a Committee consisting of members of the Faculties of Medicine and of Arts and Sciences. The degree of Doctor of Medical Sciences is administered by the above Committee, excepting the members from Harvard College, and the degree is voted by the Medical Faculty. All candidates for these degrees must hold a degree in Arts or in Sciences from an approved college. These degrees are not awarded for mere reason of faithful study for a prescribed time, but primarily for high attainment in a selected science.

#### MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Candidates for the degree of Master of Arts must register in the Graduate School of Arts and Sciences, and pursue an approved course of study in medical science for at least one year.

Candidates for the degree of Doctor of Philosophy must fulfil certain preliminary requirements described in the general University Catalogue, must devote to approved advanced studies not less than two years—at least one of which must be spent in residence at this University—and must pass general examinations and present an account of original work in an accepted thesis, before being granted the degree.

The fees are \$250 for each year.

## DOCTOR OF MEDICAL SCIENCES

Candidates for this degree must matriculate as medical students and complete with an honor grade the regular elementary courses offered by this School in Anatomy, Histology and Embryology, Physiology, Biological Chemistry, Bacteriology, Pathology, Pharmacology and Clinical Pathology, together with such other subjects as may be recommended by the Committee. In addition all candidates are required to have a reading knowledge of French and German. Ordinarily this preparatory training will be equivalent to the first two years of the course of study leading to the degree of M.D. Students who have completed all or a portion of this

work in other approved medical schools may be admitted to candidacy upon presenting evidence that they have passed the above subjects or their equivalents with an honor grade, and upon passing the general examination described below.

Following the completion of this preliminary training the student shall devote himself for not less than two years to the intensive study of one of the fundamental medical sciences and to the preparation of a thesis. The thesis must show an original treatment of a fitting subject and give evidence of independent research.

There shall be two examinations for every candidate for this degree, a general examination, before entering upon the work of the last two years, covering the elementary medical sciences listed above; and a final examination, upon acceptance of the thesis, covering the particular medical science chosen as a special field.

The fees for the first two years are the same as for medical students.

Further information concerning the higher degrees may be secured from Dr. E. A. Boyden, Secretary of the Division of Medical Sciences, Harvard Medical School.

#### FEES AND EXPENSES

#### DEGREE OF DOCTOR OF MEDICINE

The fees are:—For matriculation, \$5; for instruction (including laboratory charges except breakage, damage and loss of apparatus), \$300 for each year. Tuition will be charged on the termbills in four instalments, as follows:—

One-fourth on a termbill issued and payable September 28.

One-fourth on a termbill issued November 12 and payable November 30.

One-fourth on a termbill issued January 12 and payable January 30.

One-fourth on a termbill issued April 12 and payable April 30.

The matriculation fee will be charged on the termbill of September 28. Bills for miscellaneous charges will be rendered at the time the indebtedness is incurred. A deposit of \$50 is required of every new student who accepts a place in the Medical School; this sum to be applied on his first termbill or to be forfeited if the student does not register.

Any student whose indebtedness to the University remains unpaid on the date fixed for payment is deprived of the privileges of the University until he is reinstated. Reinstatement is obtained only by consent of the Dean of the Department in which the student is enrolled, after payment of all indebtedness and a reinstatement fee of \$10. Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School, and have subsequently received their bond from the Bursar.

Beginning with the academic year 1925-26 all matriculants will be required to own their microscopes and hemocytometers. These must be of a type acceptable to the Committee on Microscopes. Their cost will be about \$130.00. In exceptional cases, upon application to the Dean's Office before September 1, a matriculant may be permitted to rent a microscope.

A deposit of \$1 with the Superintendent of Buildings will entitle the student to the use of a locker in the School buildings.

There are no dormitories. Students find rooms in houses near the School, at from \$4 to \$7.50 a week; table board (usually not given at the same house) may be had at from \$7 to \$10. a week.

#### BOND REQUIRED OF STUDENTS

Every student is required to file with the Bursar on his entrance to the School a bond of \$100 executed by two sufficient bondsmen (one of whom must be a citizen of the United States), or to deposit \$100 in money, to cover the loss or injury of any property belonging to the University, or for which it is responsible.\* No officer or student of the University is accepted as a bondsman.

#### MEDICAL ATTENDANCE

The Medical School provides a physician to students, who will give physical examination or medical treatment without charge during his office hours, from 12 to 1 o'clock on Mondays, Wednesdays, and Fridays, Room 386, Building D I, or at other times by appointment.

Under the auspices of the Deaconess Hospital a physical examination will be given each student during the academic year 1925-26.

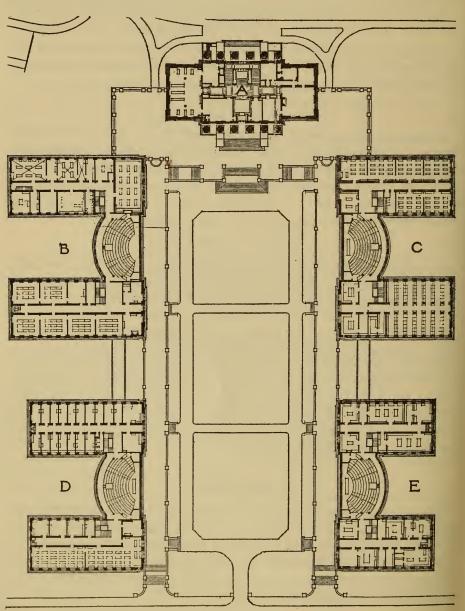
Not later than October I in each academic year, any student may pay to the Bursar the sum of \$7 for the maintenance of the Stillman Infirmary; and, on the order of a physician, every student who has taken advantage of this opportunity will be given, in case of sickness, in return for the fee, a bed in a ward, board, and ordinary nursing for a period not exceeding two weeks in any one academic year.

#### BUILDINGS

The course in Medicine, established by Harvard University in 1782, was given in buildings of the College, University Hall and Holden Chapel, from its establishment until 1810, when the classes were transferred to Boston. In 1816 the first Medical School building was erected. From 1882 until 1906 the School occupied the building at the corner of Boylston and Exeter Streets, now used by Boston University.

<sup>\*</sup>Beginning with the academic year 1926-27 a \$200 bond will be required.

In 1906 the University completed a notable group of white marble buildings on Longwood Avenue for the Medical School. These buildings are five in number and with their surrounding grounds occupy eleven acres of land in the outskirts of Boston. One of these is designed for administration and four for housing the laboratory departments, and for laboratory and clinical instruction.



OUTLINE PLAN OF THE HARVARD MEDICAL SCHOOL

The Administration Building, with over 40,000 square feet of floor space, contains the Faculty Room, the Dean's offices, the central library, the Warren Museum, an amphitheatre seating one hundred and twenty-five, a lunch room, and a students' room.

The laboratory buildings, designated by the letters B, C, D, and E, are all constructed on the same general plan. Each consists of two parallel wings united at the front by an amphitheatre with a seating capacity of two hundred and fifty. Both the smaller rooms and the laboratories were designed on a unit system which greatly simplifies the changes required in making these suited to the needs of departments whose methods of teaching have changed since the rooms were originally designed.

The amount of floor space varies considerably in each of the four buildings, but the design is such that this variation is not apparent from the main quadrangle.

Building B accommodates the department of Anatomy, Histology, and Embryology. The wings each have three floors and a total floor space of over 52,000 square feet.

Building C provides space for the departments of Physiology, Physical Chemistry, Biochemistry, and Experimental Surgery. In this building each wing has four floors and a total floor space of 62,000 square feet.

Building D is occupied by the departments of Bacteriology, Neuropathology, Pathology, and Tropical Medicine. In this building there are five floors in one wing and three floors in the other, with a total floor space of over 48,000 square feet.

Building E houses Pharmacology, Preventive Medicine, and Comparative Pathology. There are three floors in one wing and four floors in the other, with a floor space of 35,000 square feet.

The outline plan of the buildings and their position is shown on p. 36.

The clinical departments are housed in the various hospitals associated with the School.

#### LIBRARIES

The central library of the School is in Charles B. Porter Hall in the Administration Building, and in the other buildings are branch libraries. By an arrangement with the Peter Bent Brigham Hospital the library facilities of the two institutions are combined in the central library. This library is open from 9 A.M. until 10 P.M., on Saturdays from 9 A.M. until 1 P.M. The present number of volumes in the library is 43,310, and in addition there are 96,478 pamphlets and 376 current periodicals kept on file.

The College Library at Cambridge is open to the students of this School. The Boston Public Library is open to students who are inhabitants of

Boston. Students, not inhabitants of Boston, who have filed a bond at the Bursar's office, may also use this library. The Bursar will furnish on application the necessary certificate of bond.

The Boston Medical Library, No. 8 The Fenway, contains about 133,348 bound volumes and 91,456 pamphlets, and nearly 522 current periodicals are on file. This very valuable library is open to those who desire to consult medical literature, on week days from 9.30 A.M. to 10 P.M., on Saturdays till 6 P.M.

#### WARREN ANATOMICAL MUSEUM

The Warren Anatomical Museum was founded, in 1847 by John Collins Warren, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son to John Warren, the first Hersey Professor of Anatomy and Surgery. This important Museum is open to students in the School, and its collections are used in demonstration of the lectures. It occupies the upper three floors of the Administration Building.

The collection has over eleven thousand specimens, illustrating both normal and pathological anatomy. Students may have access to these specimens at any time upon application to the Curator.

Besides dissections and serial sections of many bones, the anatomical collection includes many corrosion preparations, plaster and papier maché models of bones, organs, and various parts of the body, and frozen sections.

The pathological collection is being constantly enlarged by the addition of numerous specimens, many of them preserved in their natural colors.

The American Ambulance of Paris has contributed a large number of specimens, from the European War, showing the effects of bullet wounds of the head and extremities, and the lesions of "gas gangrene." Also photographs of apparatus and the results of operation. The whole forms a most valuable collection, especially for a student of military surgery.

Exhibits of specimens illustrating topics of special interest are made from time to time.

# HOSPITAL FACILITIES

The transfer in 1810 of the Medical School of Harvard University from Cambridge to Boston was made in order to secure the advantages of the larger clinical facilities which are to be found in large cities. Clinical advantages from the students' viewpoint are not a matter of large hospitals only, but rather are related to the number of patients in these hospitals

who are under the care of instructors on the staff of the Medical School and available for teaching purposes. This School is closely affiliated on the above basis with the hospitals described in the following list, thus offering Harvard Medical School students an unrivaled opportunity to secure a well-organized clinical experience and knowledge of disease. Each student comes into intimate contact, under supervision, with patients in these hospitals, beginning in the second half of the second year and increasing until the fourth year, when the students serve as clinical clerks and give all their time to the study of patients.

The Massachusetts General Hospital. — This is a general hospital associated with the Medical School since its foundation in 1821. There are services in Medicine, Surgery, Pediatrics, Dermatology, Genito-Urinary diseases, Laryngology, Orthopaedics, Neurology, and Syphilis, all of which are used in giving instruction in these special departments of medicine. The hospital has 510 beds, 400 of them being available for teaching purposes. Large out-patient departments in the above clinical departments are also used for instruction. 29,677 new patients were admitted to the out-patient department last year for a total of 185,562 visits. 10,110 patients were treated in the Emergency Ward. Laboratories in pathology, chemistry, and X-ray are maintained, and there is an excellent medical library, all of which are open to students in the Medical School.

The Boston City Hospital. — This hospital, with approximately 1200 beds, all of which are available for teaching purposes, serves as one of the teaching units for the Medical School. The 4th medical and the 5th surgical service are under the direction of the Professors of Medicine and Surgery at the Harvard Medical School. In addition there is a division of Pediatrics, Gynaecology, etc., open to medical students. In the out-patient department, 82,082 new patients applied for diagnosis and treatment and furnish additional teaching material. Clinical laboratories are maintained in Chemistry, Chemical Research, Pathology, and X-ray. There is an excellent library, including 75 current medical journals.

The Boston City Hospital, South Department.— This hospital is for contagious diseases and occupies a block by itself adjacent to the Boston City Hospital proper. It has a capacity of 338 beds and has abundant material for clinical instruction. Students make ward visits three or more times a week. Last year there were 2,551 cases treated, of which 851 were scarlet fever and 835 were diphtheria.

The Peter Bent Brigham Hospital. — This hospital has been closely associated with the Medical School since its dedication in 1913. It is for general medical and surgical cases, and is situated on grounds adjacent to the Medical School buildings. There are 223 beds, all of which are used for teaching purposes. There is also maintained an out-patient service

for ambulatory medical and surgical patients to which 8,846 new patients applied during the past year. The total number of visits was 59,336. There are well-equipped medical, surgical, and pathological laboratories. The hospital, by special arrangement, makes use of the library of the Medical School.

The Children's Hospital.—The buildings of this hospital are on Longwood Avenue, adjacent to the Medical School. This hospital maintains a medical, surgical, orthopaedic, nose and throat, and a well-babies clinic. There are 211 beds, of which 165 are available for teaching purposes. During the year there were 5,114 cases treated in the wards, and 57,693 visits were made to the out-patient department. Well-equipped laboratories are provided for the study of material from the wards and out-patient service.

The Infants' Hospital (Thomas Morgan Rotch Jr. Memorial Hospital for Infants). — This hospital is adjacent to and under the management of the Children's Hospital. There are 55 beds, all of which are devoted to the care of infants. All of the cases in this hospital are available for teaching.

The Boston Lying-in Hospital. — This hospital occupies a building completed in 1923 at 221 Longwood Avenue. Of the 100 beds, 65 are used for teaching. During the past year 1,739 patients received treatment in the hospital, of whom 1,329 were delivered. In addition, in the out-patient department, 1,339 cases were attended under supervision by third and fourth-year students. A well-equipped laboratory is available.

The Free Hospital for Women. — This hospital is devoted exclusively to the surgical treatment of diseases peculiar to women. - The hospital has a capacity of 95 beds, of which 75 are available for teaching. In the outpatient department there were 6,735 consultations last year. Library and laboratory facilities are available.

Boston Psychopathic Hospital. — This is a state institution for acute, curable, incipient, and doubtful cases of mental disease. The hospital was opened to patients in June, 1912. It has 110 beds, all of which are available for teaching, and receives patients at the rate of about 2,000 a year. The hospital is equipped with psychological, neuropathological and biochemical laboratories. The out-patient department receives patients at the rate of 1,500 a year. In addition to the psychoses and neuroses, the clinical material includes cases of mental defect and disorder in childhood, cases of mental instability, and of delinquency.

The Massachusetts Eye and Ear Infirmary.—There are 211 beds in this hospital, 168 of which are used for instruction in diseases of the eye and ear. Over 7,000 cases are treated in the wards, and last year there were 70,000 out-patient visits. Nose and throat out-patient operations are

done at the Massachusetts General Hospital. A pathological and X-ray laboratory is maintained.

The Collis P. Huntington Memorial Hospital and the J. Collins Warren Laboratory of Bio-Physics. — This hospital and laboratory of the Cancer Commission of Harvard University afford opportunity for the study of human tumor cases. The aim of the hospital is to study special problems concerning the natural history and the treatment of tumors. It affords a means for early diagnosis, treatment, or advice regarding therapeutic measures. There are 25 beds, all of which are available for teaching purposes; out-patients are received at stated hours. During the past year, 1,640 new patients were treated in the house and out-patient department.

The Boston Sanatorium. — This is a thoroughly modern hospital of 420 beds, all of which are available for instruction in the treatment of tuberculosis. The hospital affords facilities for the demonstration of all stages and types of the disease as well as the various forms of treatment. The institution is closely affiliated with the Harvard Medical School. Students in the Harvard Medical School have practical instruction in tuberculosis in the wards of this hospital.

The Boston Dispensary. — 151,460 visits were made by out-patients at this institution during the past year. Students have opportunity for seeing practical work in the diagnosis and treatment of cases in medicine and surgery. The opportunities in thildren's work are good, as there is, in addition, a well-equipped hospital for children, with 30 beds, chiefly for medical cases. The Dispensary is used mainly for graduate instruction.

#### HOSPITAL APPOINTMENTS

About eighty appointments as internes and assistants are made annually to hospitals in and about Boston for terms of service varying from six months to two years. These appointments are made after a competitive examination.

#### THE CANCER COMMISSION OF HARVARD UNIVERSITY

The Cancer Commission of Harvard University was founded in 1899, by the late Mrs. Caroline Brewer Croft, who left in her will a sum of money for the investigation of the cause and treatment of cancer. Since that time other sums have been contributed for cancer research, and the Cancer Commission of Harvard University was organized in 1909. Robert B. Greenough, M.D., is Director.

# PROCTOR FUND

A bequest of fifty thousand dollars by Ellen Osborne Proctor, for the purpose of promoting the study of chronic diseases, subsequently has been

increased by an additional fifty thousand dollars from another member of the Proctor family. The income of this fund is to be devoted to the care in hospital of persons afflicted with chronic disease, and to investigations into the nature and treatment of the same. The special disposition of the income of this fund is under the control of the heads of the departments of Theory and Practice of Physic, Clinical Medicine, and Pathology. Henry A. Christian, M.D., is Chairman of the Proctor Fund Committee.

#### HARVARD INFANTILE PARALYSIS COMMISSION

A Commission for the purpose of assisting in the early recognition, treatment, and study of infantile paralysis was appointed by the Corporation September 25, 1916.

This Commission shortly after it was established was appointed agent of the State Department of Health, thereby assuring coöperation with the Commonwealth. The Commission also coöperates with the Vermont Board of Health. The Chairman is Mr. Roger Pierce.

#### COURSES FOR GRADUATES

The object of this Division of the Medical School is to offer graduates in Medicine opportunities to continue their studies in a thorough and scientific manner.

While all courses are intended primarily for those who hold degrees from recognized medical schools, certain courses in the scientific subjects are adapted to the needs of advanced students and teachers of science. Such persons may be admitted to courses on the approval of the Advisory Committee.

Undergraduate students of medicine may be admitted to such courses as they are qualified to take. Special consideration for the needs of such students will be given in the plans for summer courses.

Laboratory facilities at the Harvard Medical School and the abundant clinical opportunities in the various hospitals are available for graduate instruction. Clinical and laboratory instruction will be conducted in small classes so that students may receive personal attention.

#### SCHOOL OF PUBLIC HEALTH

This School was opened in 1922 to organize under one Faculty courses in Public Health, some of which were previously offered by other departments of the University and of the Massachusetts Institute of Technology. Its object is to provide the scientific groundwork which underlies efficient health administration.

Courses in Bacteriology, Parasitology, Epidemiology, Communicable Diseases, Tropical Medicine, Public Health Administration, Physiology, Nutrition, Ventilation and Illumination, Vital Statistics, Sanitary Engineering, Mental Hygiene, are offered, which aim to train the student to become an intelligent public health official. Opportunity is also given to students wishing to pursue research in Public Health. Any course may be taken singly, or a student may devote a considerable period of time to one subject. For further information, apply to the Secretary.

#### FELLOWSHIPS AND SCHOLARSHIPS

#### FELLOWSHIPS

BULLARD FELLOWSHIPS. Established in 1891 by a gift from WILLIAM STORY BULLARD of Boston, "in memory of three physicians who were distinguished for their honorable personal character and for their professional services in this community." The three following fellowships were established:—

THE GEORGE CHEYNE SHATTUCK MEMORIAL FELLOWSHIP		\$425
THE JOHN WARE MEMORIAL FELLOWSHIP		425
THE CHARLES ELIOT WARE MEMORIAL FELLOWSHIP		400

The income from any one or all of these fellowships may be paid to any student or member of the medical profession who shall be selected by the Administrative Board of the Medical School to make such original investigations in Medical Science as in their opinion will be most useful to the profession and to the community. The results of such investigations shall not, however, be published as a research performed under the grant of a Bullard Fellowship, unless the work shall have received the approval of the Committee. If published with the approval of the Committee, mention shall be made of the fact that the work was done under a Bullard Fellowship.

Holders of Bullard Fellowships are required to do an amount of work equivalent to not less than ten hours a week throughout the academic year and to present to the Committee at the end of the academic year a report on the amount and result of the work performed.

Applications for the Bullard Fellowships must be handed to the Dean on or before May 1.

EDWARD HICKLING BRADFORD FELLOWSHIP. Established in 1918 by an anonymous gift. The Fellowship may be used for research or instruction separately or in connection with any other foundation in such manner as the Corporation may from time to time prescribe. Applications for this Fellowship must be in the hands of the Dean before May 1. \$1,250

THE JAMES JACKSON CABOT FELLOWSHIP. Established in 1906 by a gift from Arthur T. Cabot, Samuel Cabot, and Guy C. Cabot. In 1912 Guy C. Cabot added to this fund. The income remaining after adding a certain percentage to the principal each year is preferably, but not necessarily, to be used for a fellowship "to aid and encourage practical work in scientific medicine."

CHARLES FOLLEN FOLSOM TEACHING FELLOWSHIP. Established in 1908 by gifts from more than sixty persons in memory of Charles Follen Folsom, A.B. 1862, M.D. 1870, Lecturer on Hygiene, 1877-79, on Hygiene and Mental Diseases, 1879-80, on Mental Diseases, 1880-82; Assistant Professor of Mental Diseases, 1882-85, and Overseer, 1891-1903. It was the desire of the givers that there be established in the Medical School a Charles Follen Folsom Teaching Fellowship in Hygiene or in Mental and Nervous Diseases, and that the incumbent receive the annual income of the fund, or such part of it as may be consistent with the standing rules of the Corporation in such cases. This fellowship has been assigned to the Department of Hygiene until the further order of the President and Fellows.

HENRY P. WALCOTT FELLOWSHIP IN CLINICAL MEDICINE. Founded in 1910 by Frederick Cheever Shattuck, A.M., M.D., LL.D. "The income to provide for the support of a Fellow in Clinical Medicine, who shall receive his appointment from the Corporation on nomination by the Jackson Professor of Clinical Medicine, who, while the holder of the Fellowship, shall not engage in private practice but devote his time to teaching and clinical research work."

WILLIAM O. Moseley, Jr., Travelling Fellowships. Established in 1912 by a bequest of Mrs. William O. Moseley for students who have attended the School for three or four years, to enable them to continue the study of medicine in Europe. Either two or three Fellowships will be awarded from the income, which is approximately \$5300. Applications for these Fellowships must be handed to the Dean on or before May 1.

ARTHUR TRACY CABOT FELLOWSHIP. Established in 1913 by a gift from Dr. and Mrs. Frederick Cheever Shattuck, in memory of Arthur Tracy Cabot, M.D., of the Class of 1872. The holder of the Fellowship is not ordinarily to engage in active private practice while holding it but is to devote himself to the advancement of Surgery whether in the United States or elsewhere. The nomination to this Fellowship is by preference to be in the hands of the Moseley Professor of Surgery. \$1500

Austin Fellowships. A certain number of teaching fellowships have been established from the income of the Austin Fund and assigned to the Medical School.

Each, \$800

THE JOHN WHITE BROWNE SCHOLARSHIP. Established under the will of Mrs. Francis B. Greene in 1918. By vote of the President and Fellows of Harvard College, this scholarship is to be awarded by the Dean of the Medical School to a student of unusual promise, to enable him to pursue research investigations for a year at the Harvard Medical School or elsewhere. \$1100

DR. WILLIAM HUNTER WORKMAN SCHOLARSHIP. Established in 1925 by a gift from Dr. William Hunter Workman, to enable one or more graduates of the Harvard Medical School to pursue post-graduate studies in medicine in this country or abroad. In exceptional cases, fourth-year students will be eligible. \$1250

#### SCHOLARSHIPS

The Cheever, Haven, and Mears Scholarships are awarded to students of the first-year class. The Hayden and Webster Scholarships may be so awarded. All the other scholarships are awarded to members of the three upper classes.

Scholarships and gratuities are awarded to such men among those applying for and needing assistance as give evidence of having done the best work either in this School or in a preparatory course elsewhere.

Information with regard to all forms of pecuniary aid may be obtained from the Director of Scholarships. Certain loan funds not enumerated above are at his disposal. Students requiring aid should visit the Director as soon as possible after matriculation to discuss with him their financial needs. The Director will also act in advisory capacity with the students in any matters not intimately associated with the curriculum.

Applications from second, third, and fourth-year students must be made before September 15, 1925.

Applications for the Cheever, Hayden, and Haven Scholarships must be handed to the Director of Scholarships on or before *December 9th*. These scholarships are open only to students who are members of the School at the time of application.

EDWARD	M.	BARRINGER	SCHOLARSHIP	No.	1.	•			\$300
EDWARD	M.	BARRINGER	SCHOLARSHIP	No.	2				200

From the estate of Edward M. Barringer for the maintenance of two scholarships for students in the Harvard Medical School, these scholarships are awarded to deserving students, preference being given to those of the fourth class.

THE GORDON BARTLETT SCHOLARSHIP. Established in 1919 by Mr. and Mrs. Donald Gordon in memory of their nephew, Gordon Bartlett, a student at Dartmouth College who died of wounds at St. Mihiel while

serving in the Seventeenth Field Artillery. Preference is given to graduates of Dartmouth College. This scholarship will ordinarily be divided between two men. \$500

The Matthew and Mary E. Bartlett Scholarship. Founded by Miss Fannie Bartlett of Boston, in memory of Matthew and Mary E. Bartlett, for the benefit of a worthy and meritorious student who is in need of financial assistance. \$550

LUCIUS F. BILLINGS SCHOLARSHIP. Founded in 1900 from a bequest under the will of Lucius F. Billings. The income may be divided between two or more students. \$300

DAVID WILLIAMS CHEEVER SCHOLARSHIP. Founded in 1889 by David Williams Cheever, M.D., LL.D., of Boston, of the Class of 1852. It is to be awarded to a poor and meritorious student of the first year, after three months' probation in the Medical School. \$325

ORLANDO W. DOE SCHOLARSHIP. Established as a part of the bequest of Orlando Witherspoon Doe (A.B. 1865, M.D. 1869). "To be given annually as a scholarship to a deserving student in the Medical department." \$150

JOSEPH EVELETH SCHOLARSHII	No.	1		•	•	•	•	•	•	•	•	•	•	\$250
Joseph Eveleth Scholarshi	P No.	2	•	•	•		•	•	•	•	•	•	•	250
Joseph Eveleth Scholarshi	P No.	3	•						•.			•		250

Founded from the residuary bequest made by Joseph Eveleth, of Boston, "for aiding deserving and indigent young men in obtaining an education in said College or any of the schools connected therewith."

HORACE	PUTNAM	FARNHAM	Scholarship	No.	1	•	 •		\$300
HORACE	PUTNAM	FARNHAM	SCHOLARSHIP	No.	2	•			300

Founded in 1918 from a bequest under the will of Mrs. Horace Putnam Farnham as a memorial to her husband, for the benefit of meritorious students of limited pecuniary resources in the Harvard Medical School.

CHARLOTTE GREENE SCHOLARSHIP. Founded in 1925 by Edwin Farnham Greene, for the benefit of a first-year student whose previous record indicates special promise. \$250

GEORGE HAVEN SCHOLARSHIPS. Founded in 1913 from a bequest under the will of George Haven, the income to be used annually for scholarships to deserving students of the first year in the Medical School, the amount of such scholarships to be at the discretion of the Scholarship Committee. \$1250

The Lewis and Harriet Hayden Scholarship for colored students. Founded in 1894 from a bequest of Mrs. Harriet Hayden. The in-

come may be divided between two or more students. If not awarded in the Medical School, it is open to colored students in any other department of the University. \$325

HILTON	SCHOLARSHIP	No.	1.	•	•	٠	•	•	•	•	•		•	\$325
HILTON	SCHOLARSHIP	No.	2.											325

Founded in 1897 from a bequest of William Hilton.

WILLIAM OTIS JOHNSON SCHOLARSHIP. Founded in 1912 from a bequest under the will of Mrs. William O. Johnson, in memory of her husband, William Otis Johnson, M.D., of the Class of 1845. \$225

CLAUDIUS M. JONES SCHOLARSHIP. From a bequest of six thousand dollars by Claudius Marcellus Jones, of the Class of 1866, M.D. 1875.

\$375

ALFRED HOSMER LINDER SCHOLARSHIP. Founded in 1895 by Mrs. George Linder. It is to be awarded to a needy student who shall have proved himself to be of sound principles and marked ability. \$300

James Ewing Mears, M.D., Scholarship in Medicine. In 1920 a bequest from the estate of J. Ewing Mears established a scholarship in the Medical School in continuance of one which Dr. Mears gave during his life. To be awarded to a young man whose financial resources are such that he cannot, unaided, acquire a medical education; the beneficiary shall hold the scholarship for the full course of four years, subject to his standing in scholarship and his good conduct. \$225

The Joseph Pearson Oliver Scholarship. Founded in 1904 by patients of the late Joseph Pearson Oliver, M.D. 1871, to be awarded to a needy and deserving student of the Medical School. \$500

CHARLES B. PORTER SCHOLARSHIP. Founded in 1897 from a bequest of five thousand dollars by William L. Chase. \$325

FLAVIUS SEARLE SCHOLARSHIP. Established in 1921 from a bequest of Mrs. Mary L. Searle of Boston, in memory of her father, Dr. Flavius Searle. The stipend may be divided. \$350

CHARLES PRATT STRONG SCHOLARSHIP. Founded in 1894 by friends and patients of the late Charles Pratt Strong, of the Class of 1876, M.D. 1881. \$300

ISAAC SWEETSER SCHOLARSHIP. Founded in 1892 by Mrs. Anne M. Sweetser. The income is to be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession." \$400

The John Thomson Taylor Scholarship. Founded in 1899 by Mrs. Frederic D. Philips in memory of her brother, John Thomson Taylor, who died in 1889. He was a student of the Medical School from 1887 to 1889.

The Walker Scholarships. In 1922 Miss Leslie Walton Walker left a bequest of \$28,000 for the establishment of four scholarships for the benefit of four needy and deserving students of the Medical School, as the Administrative Board shall annually recommend. These scholarships will be known as

The Dr. Charles Walker Scholarship No. 1	\$350
The Helen L. Walker Scholarship No. 2	350
The Anna G. Walker Scholarship No. 3	350
The LESLIE W. WALKER SCHOLARSHIP No. 4	350

ABRAHAM A. WATSON SCHOLARSHIP. Established in 1923, from the estate of the late Miss Catherine E. Walker, the income to be used "as a scholarship for the benefit of students in the Medical School." \$500

Major Harrison Briggs Webster, U. S. Army, Scholarship. Established in 1921 by Mrs. L. Florence Webster in memory of her son, Harrison Briggs Webster of the Class of 1905, Harvard College, 1909, Harvard Medical School, Regimental Surgeon of the 47th U. S. Infantry, awarded a Citation "For unusually conspicuous and meritorious services," and a second Citation, with the Distinguished Service Cross, "For extraordinary heroism in action." Killed in action in the Meuse-Argonne, October 13, 1918. This scholarship is to be awarded to sons of members of the Class of 1905, Harvard College. In case there is no application or award made in any year, the scholarship shall be awarded for that year to a needy student who shall have shown himself to be of sound principles and marked ability.

EDWARD WIGGLESWORTH SCHOLARSHIP. Founded in 1897 by the family of the late Edward Wigglesworth, of the Class of 1861, M.D. 1865, the yearly income of the fund to be paid to a needy and deserving student of the Medical School. \$300

Francis Skinner Fund. Established in 1905, to be used in small sums to meet the urgent needs of meritorious students in the payment of termbills or other expenses. This fund remained as an anonymous gift until 1908, when by vote of the President and Fellows of Harvard College it was named in honor of the late Francis Skinner, Esq., the donor. Available annually. \$250

COTTING GIFT. Received from the late Dr. Benjamin E. Cotting to be given to such medical student or students as the Administrative Board

may select, having regard to the pecuniary needs, intellectual capacity, faithfulness and earnest endeavor, rather than to highest scholarship merely. \$150

JOHN FOSTER FUND. The income of the John Foster Fund is available in alternate years in the Law School and in the Medical School, for one or more meritorious students needing assistance. The next assignment in the Medical School will be made in 1926-27.

THE LOAN FUND OF THE MEDICAL CLASS OF 1879. The Medical Class of 1879 has given the sum of four hundred and thirty-six dollars and seventy-nine cents to be used as a loan fund to aid any student or students in the Medical School in accordance with the request of the Class, or, in the absence of such request, under the direction of the Faculty of Medicine. Available 1925–26. \$32.65

AESCULAPIAN CLUB LOAN FUND. Founded by the Aesculapian Club in 1925. To be used as a loan fund to aid students in the Medical School. \$500

THE CHARLES WILLIAM ELIOT LOAN FUND. The first gift to create a loan fund in honor of President Eliot was made in 1924 by an anonymous donor. The principal and interest from the fund of which the above gift of \$2000 is a nucleus are to be used for loans to students in the Medical School. The fund now amounts to \$2600.

# | Fellowships and Scholarships available in other Departments of the University as well as in the Medical School

Applications should be made, before March 1, to Dean C. H. Moore, the chairman of the Committee on General Scholarships and on the Sheldon Fund.

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS. The income of this Fund is available for holders of any degree from Harvard University. For further particulars, see University Catalogue for 1925–26.

The Stoughton Scholarship. Established in 1701 from a bequest of Lieutenant Governor William Stoughton. The income of two thousand and fifty dollars is available for one or more students in any department of the University, preference being given first to students of Dorchester and second, if there be none such, to students of the town of Milton.

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP; with an income at present of sixteen hundred and fifty dollars. Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-

five thousand dollars in memory of Victor Emanuel Chapman, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army. This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University. For further particulars, see University Catalogue for 1925–26.

THE DANIEL A. BUCKLEY SCHOLARSHIPS; with an income of two hundred dollars each, for graduates of the public schools of the city of Cambridge.

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP; with an income of four hundred dollars, "to be offered each year to a graduate of an Iowa College or University, in any of the graduate or professional departments of Harvard University." The terms of gift are quoted further in the University Catalogue for 1925-26.

THE JAMES A. RUMRILL SCHOLARSHIP; with an income at present of two hundred and twenty-five dollars. This Scholarship, founded in 1909 by Mrs. James A. Rumrill, in memory of her husband, James Augustus Rumrill, of Springfield, Mass., of the Class of 1859, will be offered each year to a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee or Kentucky. The terms of gift are quoted further in the University Catalogue for 1925–26.

THE PRINCETON FELLOWSHIP; with a stipend of five hundred dollars. From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS; with an income of two hundred and fifty dollars each, founded by WILLIAM STANISLAUS MURPHY, of the class of 1885, to be used for the collegiate education of men of the name of Murphy, who, in the judgment of the faculty, prove deserving of this kind of encouragement. These scholarships are available for students in all departments of the University.

The Joseph Hodges Choate Memorial Fellowship; with an income of two thousand dollars. Established in 1919 by the Harvard Club of New York City in memory of Joseph Hodges Choate, of the Class of 1852, American Ambassador to Great Britain from 1899 to 1905. To be awarded, upon the nomination of the Vice-Chancellor of the University of Cambridge, England, to a British subject coming from the University of Cambridge to study in any department of Harvard University. The terms at present require that the candidate shall be either a Bachelor of Arts of not more than three years' standing from the time of taking his degree, or a matriculated undergraduate of not more than three years' standing from the date of his matriculation.

PRIZES 51

#### **PRIZES**

BOYLSTON MEDICAL PRIZES. These prizes, which are open to public competition, are offered for the best dissertation on questions in medica science proposed by the Boylston Medical Committee.

For 1925 there is offered a prize of three hundred dollars and the Boylston Prize Medal, for the best dissertation on the results of original research in medicine, the subject to be chosen by the writer. The Boylston Prize Medal will be added to the money prize only in case the winning essay shows special originality in the investigations detailed.

Dissertations entered for this prize must be in the hands of the Secretary, on or before December 31, 1925.

The Boylston Medical Committee is appointed by the President and Fellows of Harvard College, and consists of the following physicians: Henry A. Christian, M.D., Secretary; Reid Hunt, M.D., William T. Porter, M.D., John Warren, M.D., Henry Lyman, M.D.

Detailed information may be obtained from Dr. Henry A. Christian, Secretary of the Boylston Medical Committee, Peter Bent Brigham Hospital, Boston, Mass.

M. Douglas Flattery Prize Fund. The income of this fund is to be used for the purpose of giving a gold medal and five hundred dollars in cash to the person who may be judged by the President and Fellows to have made a discovery in any branch of science that would result in the greatest good to humanity in the direction of the prevention of disease or the conservation of health in their broadest sense.

In 1920 this medal and prize were awarded to Dr. Theobald Smith.

OTHER PRIZES. The Bowdoin, Dante, Sumner, and Toppan Prizes, offered by the Faculty of Arts and Sciences, are open to students in all departments of the University. Full particulars in regard to these prizes may be found in the University Catalogue for 1925-26.

# DIVISION OF STUDIES

AND TOTAL NUMBER OF HOURS FOR EACH SUBJECT

<b>FOURTH YEAR</b>	Elective
, THIRD YEAR	Psychiatry         46           Preventive Medicine and         36           Legal Medicine         8           Dermatology         46           Syphilology         38           Gynaecology         38           Laryngology         38           Pediatrics         65           Medicine         196           Orthopaedic Surgery         42           Genito-Urinary Surgery         30           Surgery         38           Obstetrics         62           Otology         88           Ophthhalmology         38           Ophthhalmology         38
SECOND YEAR	Anatomy 40  Bacteriology 144  Pathology 8304  Neuropathology 36  Pharmacology 90  Medicine 90  Medicine 91  Surgery 10  Obstetrics 10  Pediatrics 6
FIRST YEAR	Anatomy

\* The time allotment for these two subjects may be reversed at the student's option.

#### ANNOUNCEMENT OF COURSES

The "Announcement of Courses" comprises a statement by each Department as to its general plan of instruction and its various required exercises, followed by a resumé of the Fourth-Year Elective Courses and the Voluntary Courses.

Each student in the fourth year must secure credit for eight one-month courses of 144 hours or their equivalent. Required courses fill seven months' time, leaving one month free for elective work. Students may anticipate certain of the required courses during the summer preceding the fourth year and thus gain more time for elective work in the fourth year. In the following statements whole courses have a value of 144 hours, half-courses of 72 hours, and quarter-courses of 36 hours.

An opportunity for voluntary work is offered to second and third-year students on Tuesday and Thursday afternoons. It is believed that upper-classmen will welcome a chance to keep in touch with the most recent developments in the fundamental sciences; that an interest in certain fundamental subjects will have been aroused by their clinical work; or that they may feel the desire for additional training on some point. Students are not required or even asked to take this work: it is entirely a voluntary matter, and no credit will be given.

Pamphlets describing the opportunities for elective and voluntary work in detail and outlining the special conditions under which such work may be undertaken are issued to the students each spring.

# Note. — Abbreviations used in the following pages, and in the tabular views:

B.C.H.	= Boston City Hospital.	I.H.	= Infants' Hospital (Rotch
B.S.	= Boston Sanatorium.		Memorial).
B.D.	= Boston Dispensary.	M.G.H.	= Massachusetts General Hos-
B.S.H.	= Boston State Hospital (Pierce		pital.
	and Austin Farms).	P.B.B.H.	= Peter Bent Brigham Hos-
B.L.H.	= Boston Lying-in Hospital.		pital.
C.H.	= Children's Hospital.	B.P.H.	= Boston Psychopathic Hos-
E. and E.I.	= Massachusetts Eye and		pital.
	Ear Infirmary.	S.D.B.C.H.	= South Department, Boston
F.H. for W.	= Free Hospital for Women.		City Hospital.
H.M.S.	= Harvard Medical School.	S.O.P.D.	= Surgical Out-Patient De-
H.M.H.	- Huntington Memorial Hos-		partment.
	pital.		-

# Anatomy

J. LEWIS BREMER, M.D., Associate Professor of Histology.

FREDERIC T. LEWIS, M.D., Associate Professor of Embryology.

JOHN WARREN, M.D., Associate Professor of Anatomy.

EDWARD A. BOYDEN, Ph.D., Assistant Professor of Comparative Anatomy.

ROBERT M. GREEN, M.D., Assistant Professor of Applied Anatomy and Instructor in Gynaecology.

SAMUEL R. MEAKER, M.D., Instructor in Histology.

ALBERT A. SHAPIRA, M.D., Instructor in Anatomy.

JOHN I. BRADLEY, M.D., Assistant in Anatomy.

JOSEPH H. BURNETT, M.D., Assistant in Anatomy.

CECIL C. COLE, A.B., Assistant in Comparative Anatomy.

FRANK A. HAMILTON, M.D., Assistant in Anatomy.

TORR W. HARMER, M.D., Assistant in Anatomy and in Surgery.

CARL E. JOHNSON, A.B., Assistant in Histology.

REGINALD D. MARGESON, M.D., Assistant in Anatomy.

WILLIAM R. MORRISON, M.D., Assistant in Anatomy.

Donald Munro, M.D., Assistant in Anatomy and Instructor in Surgery.

LAWRENCE W. SLOAN, M.D., Assistant in Anatomy.

CLYDE S. TARTER, B.S., Assistant in Anatomy.

Barry J. Anson, A.M., Fellow in Histology and Fellow of the National Research Council.

ROBERT E. FLEMING, B.S., Teaching Fellow in Histology.

CLAUDE E. FORKNER, M.A., Teaching Fellow in Histology.

ELROY F. SHELDON, A.M., Teaching Fellow in Histology.

HAROLD L. WEATHERFORD, A.M., Austin Teaching Fellow in Histology.

In the department of Anatomy, instruction is given in Anatomy, Comparative Anatomy, Histology, and Embryology. The department occupies the Morgan Anatomical Building, the dissecting rooms being in the wing designated BI, and the laboratories for Histology, Embryology, and Comparative Anatomy in the wing BII. There are separate rooms for second-year, fourth-year and graduate students and for various kinds of technical work. The class work is carried on by sections in unit rooms, designed to accommodate either twelve or twenty-four students. There is a large library which contains complete files of the most important anatomical and morphological journals, together with many standard works of reference, and in an adjoining room there is a collection of about ten thousand pamphlets. A card catalogue and a classified bibliography give ready access to the literature.

The laboratory offers exceptional facilities for work in human and comparative anatomy and embryology.

The Embryological Collection is a unique feature of the laboratory. It comprises over two thousand series of sections of carefully selected vertebrate embryos, and affords therefore opportunities for research in comparative embryology such as cannot be found elsewhere. The collection includes eighty series of sections of human embryos, several

of which are of exceptional value, among them being two of the very youngest stages of man yet obtained. The collection of embryological models contains the standard series and many unique original models.

#### REQUIRED COURSES

First Year. — The courses of the first year are intended to teach human anatomy, both gross and microscopic, together with the essentials of human embryology. Half of the time is devoted to work in the dissecting room, the other half to work in the histological and embryological laboratories. In the study of gross anatomy, each student makes a complete dissection of one half of the human body, and all of the class dissect the same part at the same time. Two men will be assigned to the same subject, and will work together during the course. The study of the skeleton is carried on with the dissection, and each student will be provided with a box of bones which may be kept throughout the course. There will be lectures or demonstrations which are arranged to correspond as closely as possible with the work in the dissecting room. These lectures not only will serve as a guide to the regular work in the dissecting room, but also will be used to emphasize those details of human anatomy which the student cannot easily study for himself in his own dissection. Special dissections made by prosectors from the second-year class, frozen sections, and various anatomical specimens and preparations will be displayed each day to illustrate and supplement that part of the subject treated in the lecture, or about to be studied in the dissecting room. Students are urged to examine these specimens carefully, and to discuss them informally with the instructors. Students will be quizzed each week on their work in the laboratory by the instructors in charge of their section. Practical examinations only will be given in the first year. At the end of the second-year course there will be a written examination which will cover the work in both courses.

The part of the course dealing with microscopic anatomy is a study of cells, tissues, and organs, from the developmental standpoint. The fundamental tissues and the various organs are traced to their adult form by the aid of chick embryos of 30 and 48 hours and pig embryos of 40 days, and sections of adult material. The course follows as nearly as possible the work in the dissecting room. In connection with the uterus, the human placenta and fetal membranes are considered, and several exercises are devoted to the central nervous system and sense organs.

Second Year. — The course in second-year anatomy is conducted twice a week during the first term. The class is divided into two sections. The work will consist chiefly of the careful study and drawing of selected frozen sections of the human body. Anatomical charts, special dissections,

and preparations will be displayed in the laboratory to illustrate the various structures seen in the sections. The drawings are to be handed in at frequent intervals for correction, and they will be discussed with each student. There will be also frequent informal, individual quizzes and discussions as the work progresses.

The course is intended to serve as a topographical review of the work of the first year, and to lead to a close correlation of anatomy and the clinical courses in physical diagnosis. There will be a final written examination which will cover the work in both the first- and second-year courses in anatomy.

#### FIRST YEAR

HOURS

96

40

- Lectures. Drs. Bremer, Lewis, Warren, and Boyden. Six lectures a week, first half-year.
- Demonstrations. To sections of the class, at the pleasure of the instructors.
- Laboratory work. Twenty-one and a half hours a week, first halfyear. 344

#### SECOND YEAR

Laboratory work. To sections of the class, two and one-half hours per week, first half-year.

#### FOURTH-YEAR ELECTIVE COURSES

- Anatomy 1. Surgical Anatomy. Dr. Green and assistants. Whole courses, afternoons, October-November, December-January, and February-March.
- ANATOMY 2. Comparative Anatomy. Dr. Boyden and assistants. Half-courses, mornings of November and December.
- Anatomy 3. Advanced Vertebrate Embryology. Dr. Lewis. Whole course, all day, in a month to be arranged with the instructor.
- ANATOMY 4. Advanced Histology. Dr. Bremer. Whole course, all day, in a month to be arranged with the instructor.
- Anatomy 5. Physical Anthropology. Dr. E. A. Hooton. Whole courses, to be arranged with the instructor.
- Investigation. Opportunities are offered for students who wish to do special or advanced work.

#### VOLUNTARY COURSES

- EMBRYOLOGY AND ANATOMY OF THE CENTRAL NERVOUS SYSTEM, October.
- ADVANCED WORK. Opportunities are offered for advanced work or research in embryology, histology, or (in so far as material will permit) anatomy. Tuesday and Thursday afternoons.

# The Laboratories of Physiology

#### PHYSIOLOGY

Walter B. Cannon, M.D., S.D., George Higginson Professor of Physiology.

ALEXANDER FORBES, M.D., Associate Professor of Physiology.

Alfred C. Redfield, Ph.D., Assistant Professor of Physiology and Chairman of the Laboratories.

Percy G. Stiles, Ph.D., Assistant Professor of Physiology.

DAVID BRUNSWICK, Ph.D., Instructor in Physiology.

SIDNEY W. BRITTON, M.D., Research Fellow in Physiology and Fellow of the National Research Council.

Franklin A. de M. Campos, M.D., Research Fellow in Physiology.

JOHN T. LEWIS, M.D., Research Fellow in Physiology.

PHILIP BARD, A.B., Teaching Fellow in Physiology.

FRANK S. DAVENPORT, B.S., Teaching Fellow in Physiology.

MAGNUS I. GREGERSEN, A.M., Teaching Fellow in Physiology.

VLADIMIR A. PERTZOFF, S.B., Teaching Fellow in Physiology.

#### COMPARATIVE PHYSIOLOGY

WILLIAM T. PORTER, M.D., LL.D., S.D., Professor of Comparative Physiology.

#### PHYSICAL CHEMISTRY

LAWRENCE J. HENDERSON, M.D., Professor of Biological Chemistry. EDWIN J. COHN, Ph.D., Assistant Professor of Physiological Chemistry Ronald M. Ferry, M.D., Instructor in Physiological Chemistry.

# PHYSIOLOGY, SCHOOL OF PUBLIC HEALTH

CECIL K. DRINKER, M.D., Professor of Physiology.

LAWRENCE T. FAIRHALL, Ph.D., Instructor in Physiology.

LOUIS A. SHAW, A.B., Instructor in Physiology.

In the Laboratories of Physiology, the Departments of Physiology, Comparative Physiology, and Physical Chemistry, of the Harvard Medical School, coöperate with the Department of Physiology of the School of Public Health in offering courses of instruction and opportunities for research in the biological and physico-chemical problems of general physiology, in comparative physiology, mammalian physiology, and the physiological problems of general and industrial hygiene. A pamphlet describing the activities of the Laboratories in some detail may be had upon application to Dr. A. C. Redfield, Chairman of the Laboratories of Physiology, Harvard Medical School, Boston.

# REQUIRED COURSES

First Year. — The following objects govern the presentation of this course in Physiology.

- 1. To acquaint the student with the method of experiment as applied to the acquisition of knowledge of physiological facts and to teach him how such facts may be correlated so as to explain physiological phenomena.
- 2. To cause the student to perform a series of experiments which demonstrate the more fundamental concepts of physiology which will help him to understand the phenomena of health and disease in man, and in the case of those phenomena which fail to lend themselves to such treatment to present in the lecture room an exposition of the experimental procedures from which the concepts have arisen.
- 3. To train the student to correlate his knowledge of the physiology of the different parts or systems of the organism into an understanding of its activity as a whole, and to show him the utility of applying physiological concepts to the study of medicine.

The first three weeks are devoted to the first of these objects. In the laboratory a series of experiments will be performed which, while designed primarily for training the student to handle living tissue, to make and interpret graphic records, and to draw from experiment a deduction concerning the phenomenon in question, will serve to demonstrate the chief facts on which our conceptions of the nature of excitation, conduction and response in muscle and nerve are based. In the accompanying lectures and conferences the student will be shown how these facts may be correlated and applied to the elucidation of the coördinate activity of the heart and the neuro-muscular mechanism.

Following this period the class will devote three weeks to each of the following series of laboratory exercises.

- 1. The Central Nervous System and Special Senses.— Experiments illustrating the principal conceptions concerning the properties of the reflex arc and the integration of reflex activity in the central nervous system, the functions of the higher nervous centers, the nature of voluntary and reflex movement and of the maintenance of posture, the control of visceral organs by the autonomic nervous system, the phenomena of refraction in the eye, the function of the semi-circular canals and the properties and distribution of sensory end-organs in the skin.
- 2. The Circulation of the Blood.—Experiments illustrating the events of the cardiac cycle in the reptilian and mammalian heart, the factors controlling the pressure and flow of blood in the arteries and veins, the nervous control of the circulation, and the effects of the circulation on the activities of muscles and glands will give the student extensive experience in the performance of operative procedures upon anesthetized

mammals. The principles thus brought out will be applied to the interpretation of experiments performed upon the students themselves with methods adapted to the clinical study of the circulation.

- 3. Metabolism and Respiration. Experiments illustrating the fundamental facts concerned in the gaseous exchange of the body are particularly well adapted to train the student in the use of quantitative methods in the study of human physiology. They will include a study of the method of gas analysis, the determination of basal metabolism, the measurement of the tension of the gases in the alveolar air and in the venous blood, the estimation of the output of the heart per minute, the effect of exercise upon the factors concerned in the gaseous exchange, the chemical control of the ventilation of the lung, and the determination of the efficiency of methods of artificial respiration. In addition, the nervous control of the pulmonary ventilation and the gas content of the arterial and venous blood under various conditions will be illustrated by experiments and demonstrations on an anesthetized mammal.
- 4. The Blood and Body Fluids. Experiments illustrating the carriage of oxygen and carbon dioxide by the blood, the fundamental facts of the acid base equilibrium, the physiological importance of the physical properties of the body fluids, i. e., osmotic pressure, salt content, temperature, etc., the coagulation of the blood, the regulation of its water content by the kidney, the secretion of lymph, and the properties desirable in solutions used for transfusion.

While this experimental work is in progress formal lectures will be given three times a week in which the subject will be outlined with special reference to the interrelation of the various subjects studied in the laboratory. These lectures will treat also of the physiology of those phenomena on which no laboratory work is given, such as the digestive system, the endocrine glands, the regulation of body temperature, the cerebro-spinal fluid, etc.

#### FIRST YEAR

HOURS

Lectures and Laboratory work. Drs. Cannon, Drinker, Redfield, Stiles, and Brunswick, assisted by other members of the staff.

Three times a week, second half-year.

232

#### FOURTH-YEAR ELECTIVE COURSES

- Physiology 1. Investigation. Drs. Cannon, Forbes, Drinker, and Redfield. Students will not ordinarily be received for less than two full courses.
- Comparative Physiology 1. Dr. Porter. Whole courses, forenoons, afternoons or all day.
- Physical Chemistry of Physiological Processes 1. Drs. Henderson and Cohn. Investigation. Not less than one full course.

#### VOLUNTARY COURSES

The following courses are open to second, third, and fourth-year men, and will be given on Tuesday and Thursday afternoons.

- I. The Physical Chemistry of Physiological Processes. Dr. Cohn. November.
- II. The Respiratory Function of the Circulation. Dr. Henderson. December.
- III. The use of Mathematics in Physiological Research. Dr. Wilson. January.
- IV. The Historical Development of the Physiology of the Circulation. Dr. Drinker. February.
  - V. The Conduction of the Nerve Impulse. Dr. Davis. March.
- VI. Demonstrations in Mammalian Physiology. Dr. Porter. April.

# Biological Chemistry

- Otto Folin, Ph.D., S.D., M.D., Hamilton Kuhn Professor of Biological Chemistry.
- \*RICHARD D. BELL, M.D., Assistant Professor of Biological Chemistry.
- CYRUS H. FISKE, M.D., Assistant Professor of Biological Chemistry.
- HARRY C. TRIMBLE, Ph.D., Assistant Professor of Biological Chemistry. HENRY LYMAN, M.D., Assistant in Biological Chemistry.
- YELLAPRAGADA SUBBA Row, M.B., Research Fellow in Biological Chemistry.
- Charles S. Woodall, M.D., Research Fellow in Biological Chemistry and Fellow of the National Research Council.
- ELLIOTT T. Adams, S.B., Austin Teaching Fellow in Biological Chemistry.
- Joseph De Frates, B.S., Teaching Fellow in Biological Chemistry.
- CLARENCE A. MORRELL, B.A., Teaching Fellow in Biological Chemistry.
- HARRY H. POWERS, A.B., Teaching Fellow in Biological Chemistry.
- Embree Rose, M.A., Teaching Fellow in Biological Chemistry.

## REQUIRED COURSES

First Year.—The lectures in this course consist of a brief discussion of the theories of chemical constitution and a survey of those classes of chemical substances which are to be found in animals and plants, and of the general principles and more important facts of physiological chemistry.

The laboratory practice is designed to acquaint the student with some of the more important constituents of living matter and their chemical behavior, and with some of the routine methods of biochemical investigation.

Conferences and discussions of selected topics supplement the main work of the course.

\* On leave of absence, 1925-26.

#### FIRST YEAR .

HOURS

Lectures and Laboratory Work. Drs. Folin, Fiske, and assistants. Four times a week, second half-year. 232

#### FOURTH-YEAR ELECTIVE COURSES

BIOLOGICAL CHEMISTRY 1. Whole courses, forenoons, afternoons, or all day, June and July, February through May.

#### VOLUNTARY COURSES

Students who are especially interested in methods and ADVANCED WORK problems of biological chemistry will be given opportunity on their free afternoons to do advanced work.

# Bacteriology

HANS ZINSSER, M.D., Professor of Bacteriology and Immunology.

WILLIAM L. Moss, M.D., Assistant Professor of Bacteriology and Immunology.

J. HOWARD MUELLER, Ph.D., Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology.

BENJAMIN WHITE, Ph.D., Assistant Professor of Bacteriology and Immunology and of Preventive Medicine.

GEORGE F. FORSTER, Ph.D., Instructor in Bacteriology and Immun-

Francis B. Grinnell, M.D., Instructor in Bacteriology.

WILLIAM A. HINTON, M.D., Instructor in Bacteriology and in Preventive Medicine and Hygiene.

\*Tracy B. Mallory, M.D., Instructor in Bacteriology.

ROBERT N. NYE, M.D., Instructor in Bacteriology.

ELLIOTT S. A. ROBINSON, M.D., Instructor in Bacteriology and Preventive Medicine and Hygiene.

THOMAS P. HUGHES, M.A., Research Fellow in Bacteriology and Fellow of the National Research Council.

JAMES A. KENNEDY, Ph.D., Research Fellow in Bacteriology and Fellow of the National Research Council.

Fei-fang Tang, M.D., Research Fellow in Bacteriology.

The personnel and equipment of the Department of Bacteriology and Immunology are aimed to supply teaching and opportunities for investigation to properly qualified undergraduate and graduate students in general bacteriology, pathogenic bacteriology, and the problems of immunity.

<sup>\*</sup>On leave of absence 1925-26.

#### REQUIRED COURSE

Second Year. — The required course for medical students is taught by lectures, laboratory work, and conferences. Stress in this course is laid upon those parts of bacteriology and immunology which are directly pertinent to the pathology of infectious disease, its practical diagnosis and treatment. The students are introduced as rapidly as possible to the medical problems of bacteriology, and the subjects taught are illustrated by materials obtained from the associated hospitals. Immunological and serological technique in its practical aspects is dealt with by group instruction, and the preventive aspects of the physician's duties in relation to infectious diseases are considered as thoroughly as time permits.

Lectures. Dr. Zinsser, Dr. Mueller and staff. Mondays, Wednesdays, and Fridays, first half-year.

48
Laboratory work. Dr. Zinsser, Dr. Mueller and staff. Two hours,

Mondays, Wednesdays, and Fridays, first half-year. 96

#### FOURTH-YEAR ELECTIVE COURSES

- BACTERIOLOGY 1. Technique of Serum Study. Half-course, mornings or afternoons, in a month to be arranged.
- BACTERIOLOGY 2. Opportunities are offered for work on special problems in bacteriology to individual students who are found qualified by previous training and in general aptitude.

#### VOLUNTARY COURSES

- I. Immunity. November through January.
  - During the first term, while the required course in bacteriology is going on, a lecture course in immunity with demonstrations and theoretical considerations of the basic principles of resistance to infection is offered. This course is open to any graduate or undergraduate who has had or is taking the necessary pre-requisite bacteriology and is interested in immunity. In this course the coöperation of Professor Benjamin White and others of the staff is utilized on the particular phases of immunity in which they are especially engaged.
- II. Practical Immunity. November 3 through December 8, Tuesday afternoons, Dr. White. The practical application of the theories of immunity to the preparation and use of biologic agents.
- III. Chemical Bacteriology and Immunity. Time individually arranged for. Dr. Mueller. Open to properly qualified students. This course

will consist largely of practical work and theories in connection with the more important phases of the chemistry of bacterial products and the chemical problems of immunity.

- IV. Exercises in Serum Technique. Time individually arranged for. Dr. Zinsser and staff Open to small group of properly qualified students. Discussions and laboratory work.
- V. Diagnostic Serum Reactions. February or March, Tuesdays and Thursdays, 2 to 5 p.m., H.M.S., Dr. Hinton. Open to second-, third-and fourth-year men. Laboratory methods in the diagnosis of gonorrhea and syphilis.

# Advanced Bacteriology

During the second half-year a course in Advanced Bacteriology, planned especially for Public Health students, but suitable also for students who wish to proceed beyond the purely fundamental parts of the subject, is offered during the months of March and April. In this course practical exercises, demonstrations, and conferences are offered to cover especially the fields of epidemiological bacteriology and of the practical problems of vaccination, vaccine therapy, serum diagnosis, and serum therapy. Properly qualified students are permitted to begin specialization on problems of their own during this course. This course also includes training in the use of bacteriological literature.

Seminars on work going on in the laboratory are held once every two weeks by the staff. Advanced students are invited to these seminars, and will obtain credit for them if attendance is regular.

# Pathology

S. Burt Wolbach, M.D., Shattuck Professor of Pathological Anatomy. James H. Wright, M.D., S.D., Assistant Professor of Pathology.

LAWRENCE W. SMITH, M.D., Instructor in Pathology.

Charles L. Connor, M.D., Instructor in Pathology.

Percy R. Howe, D.D.S., Instructor in Pathology.

 ${\tt Henry\ Pinkerton,\ M.D.,\ Instructor\ in\ Pathology.}$ 

SHIELDS WARREN, M.D., Instructor in Pathology.

WILLIAM L. McNamara, M.D., Assistant in Pathology.

VLADIMIR T. DIMITROFF, M.D., Austin Teaching Fellow in Pathology.

Beatrice C. Seegal, M.D., Research Fellow in Pathology and Fellow of the National Research Council.

#### REQUIRED COURSES

Second Year. — The course in Pathology consists of laboratory work and lectures. The basis of the laboratory work is a systematic course in pathological histology. In connection with this there are demonstrations of fresh material and museum specimens and experiments on animals bearing on the subjects studied. For demonstrations, autopsy attendance, and experimental work the students are divided into small sections. demonstrations and experimental work are given in connection with the subjects which are being studied, in rooms adjoining the main laboratory which are adequately provided with apparatus. Lectures are given three days in the week by Drs. Wolbach and Wright. The object of the lectures is to expand and coördinate the knowledge which the student obtains by the study of material and to introduce important recent advances not vet incorporated in text-books. During the entire period of the course groups of students are sent to the various hospitals to see and assist in post-mortem examinations. The post-mortem material of the Peter Bent Brigham Hospital, the Massachusetts General Hospital, the Infants' Hospital, the Children's Hospital, the Boston Lying-In Hospital, the Huntington Hospital, the House of the Good Samaritan, and the Long Island Hospital is available for instruction. Each group prepares microscopical specimens of the tissues from each autopsy they attend, and immediately afterwards meets for a conference with one of the instructors, when the whole case is reviewed and discussed. At these conferences the clinical history of the case is read, and as far as possible the pathological findings are correlated with the clinical features. No attempt is made to separate the subject of Pathology into general pathology and pathological anatomy, but the subject is studied as a whole. The more important organs of the body are covered, towards the end of the course, with reference to their special pathology, particularly the blood, liver, spleen, kidneys, pancreas, and genitalia. In teaching, the student is taught methods of work, is given material, and directed, but he is taught to work independently. Tumors and other material coming from the surgical clinics are made full use of in the course. Conferences and recitations will occasionally be substituted for regular laboratory work.

On Saturdays conferences and recitations are substituted for the regular laboratory work.

In the afternoons of February Drs. TYZZER and FABYAN give a course of lectures and laboratory exercises on animal parasites, particularly the protozoa and the infections produced by them.

Approximately fifty hours are given to lectures and laboratory work in neuropathology, certain exercises being interdigitated with the course in general pathology, and twelve consecutive exercises in the more special diseases of the nervous system are given in April and May. (See Neuropathology.)

Third Year. — Clinical pathological demonstrations are held two hours a week throughout the year in the pathological amphitheatre alternately of the P.B.B.H. and of the M.G.H. Autopsy material is presented along with the case records.

#### SECOND YEAR

HOURS

Lectures. Drs. Wolbach and Wright. Mondays, Wednesdays, and Fridays, October through March. 75

Laboratory work. Drs. Wolbach, Smith, Connor, and McNamara.

Two and a half hours, Mondays, Wednesdays, and Fridays,
during the forenoons of October through March.

187

Neuropathology. (See Diseases of the Nervous System.)

42

#### THIRD YEAR

Clinical pathological demonstrations. Dr. Wolbach. P.B.B.H.

Two hours a week, throughout the year.

(See also Medicine and Surgery.)

#### FOURTH-YEAR ELECTIVE COURSES

- Pathology 1. Dr. Wolbach and assistants. P.B.B.H. Whole courses, all day, throughout the year, or half courses, mornings or afternoons, second half year.
- Pathology 2. Dr. Wright. M.G.H. Whole courses, or half courses, mornings or afternoons, first half-year.
- Pathology 3. H.M.S., Laboratory of Pathology. Whole courses, forenoons or afternoons, offered throughout the year.
- Pathology 4. Whole courses, all day, offered throughout the year.
- Pathology 5. Surgical Pathology of Tumors. Drs. Wright and Greenough. Half-course, afternoons of January.

# Legal Medicine

GEORGE B. MAGRATH, M.D., Instructor in Legal Medicine.

# REQUIRED COURSE

#### THIRD YEAR

HOURS

Lectures. Dr. Magrath. H.M.S. Once a week, March 31-May 26. 8

# Comparative Pathology

Ernest E. Tyzzer, M.D., George Fabyan Professor of Comparative Pathology.

MARSHAL FABYAN, M.D., Assistant Professor of Comparative Pathology.

Donald L. Augustine, Sc.D., Instructor in Helminthology.

Langdon Frothingham, M.D.V., Assistant in Comparative Pathology.

William C. Boeck, Ph.D., Research Fellow in Comparative Pathology.

# REQUIRED COURSES

Second Year.—A course in Parasitology is given on Monday, Wednesday, and Friday afternoons in February. The study of the anatomy and life cycles of the more important species of worms parasitic in the human being is provided for by fresh material for dissection, by stained sections, and by the preserved specimens of the Helminthological Collection. The student is trained to identify these parasites as they appear in the various stages of their development. Parasitic protozoa causing diseases of the human being are also considered with special reference to their identification and life cycles. Human material, cultures, and experimentally infected animals are utilized in the study of these microorganisms. The ectoparasites, especially those concerned in the production or transmission of human disease, are considered as fully as the allotted time will allow.

#### SECOND YEAR

HOURS

12

Lectures. Dr. Tyzzer. H.M.S. Three times a week, February 1-March 1.

Demonstrations and laboratory work. Drs. Tyzzer, Fabyan and staff. Three two-hour periods a week, February 1-March 1. 24

#### FOURTH-YEAR ELECTIVE COURSES

Comparative Pathology 1. Research. Dr. Fabyan. Half-courses, time to be arranged with the instructor.

PARASITOLOGY 1b. Protozoölogy, Helminthology, and Medical Entomology. Drs. Tyzzer, Fabyan, and assistants. Course and a half, mornings, March, April and May.

# Preventive Medicine and Hygiene

MILTON J. ROSENAU, M.D., A.M., Charles Wilder Professor of Preventive Medicine and Hygiene.

LLOYD D. Felton, M.D., Assistant Professor of Preventive Medicine and Hygiene.

Benjamin White, Ph.D., Assistant Professor of Bacteriology and Immunology, and of Preventive Medicine.

WILLIAM L. AYCOCK. M.D., Associate in Preventive Medicine and Hygiene.

- Joseph W. Schereschewsky, M.D., Associate in Preventive Medicine and Hygiene.
- Walter L. Treadway, M.D., Associate in Preventive Medicine and Hygiene.
- WILLIAM A. HINTON, M.D., Instructor in Bacteriology, and in Preventive Medicine and Hygiene.
- ELLIOTT S. A. ROBINSON, M.D., Ph.D., Instructor in Bacteriology and in Preventive Medicine and Hygiene.

#### REQUIRED COURSES

Third Year. — The course in Preventive Medicine and Hygiene consists of lectures and demonstrations, sanitary survey, and sanitary excursions. Each student is required to make a sanitary survey of a city or town and make a report thereon. The sanitary excursions consist of visits to a vaccine and antitoxin laboratory, to a dairy, etc.

#### THIRD YEAR

HOURS

Lectures and demonstrations. Once a week, January; twice a week, February-May. 36

#### FOURTH-YEAR ELECTIVE COURSES

PREVENTIVE MEDICINE AND HYGIENE 1. Whole course, all day, December.

#### VOLUNTARY COURSES

- DIAGNOSTIC SERUM REACTIONS. Dr. HINTON. Tuesdays and Thursdays, 2 to 5 p.m., February and March. Open to second, third, and fourth-year men.
- Practical Immunity. Dr. White. Tuesday afternoons, November 3-December 8.

#### Pharmacology

REID HUNT, M.D., Professor of Pharmacology.

WORTH HALE, M.D., Associate Professor of Pharmacology.

Walter G O. Christiansen, S.B., Instructor in Pharmacology.

G. Philip Grabfield, M.D., Instructor in Pharmacology and Assistant in Medicine.

#### REQUIRED COURSES

Courses in pharmacology are given in the second and in the fourth years. In the second year the instruction is given by lectures, recitations, demonstrations, and a laboratory course in which the students have an opportunity of learning the physical and chemical properties of the

more important drugs and of performing experiments illustrating the physiological actions of a number of these. A few exercises are given in pharmacy and materia medica, the work consisting of demonstrations and practical exercises. Some attention is also given to toxicology. During the fourth year an opportunity is offered to students of doing more advanced work in experimental pharmacology.

#### SECOND YEAR

HOURS

3**2** 

- Lectures and demonstrations. Drs. Hunt and Hale. One hour, three times a week, October through January. 48
- Lectures, prescription writing, and quizzes. One hour, twice a week, October through January.
- Laboratory work, in sections, Tuesdays, Thursdays, and Saturdays. 24

#### VOLUNTARY COURSES

- 1. Pharmacology 1. Dr. Hale. Tuesday and Thursday afternoons, November and December.
- 2. Applied Pharmacology. Drs. Hale and Grabfield. Tuesday afternoons, February through May.

#### Medicine

Henry A. Christian, M.D., Hersey Professor of the Theory and Practice of Physic.

James H. Means, M.D., Jackson Professor of Clinical Medicine.

FRANCIS W. PEABODY, M.D., Professor of Medicine.

RICHARD C. CABOT, M.D., Professor of Clinical Medicine.

REGINALD FITZ, M.D., Associate Professor of Medicine.

ELLIOTT P. Joslin, M.D., Clinical Professor of Medicine.

EDWIN A. LOCKE, M.D., Clinical Professor of Medicine.

Joseph C. Aub, M.D., Assistant Professor of Medicine.

HILDING BERGLUND, M.D., Assistant Professor of Medicine.

ARLIE V. BOCK, M.D., Assistant Professor of Medicine.

CHANNING FROTHINGHAM, M.D., Assistant Professor of Medicine and Chairman of the Department.

GEORGE R. MINOT, M.D., Assistant Professor of Medicine.

WILLIAM H. ROBEY, Jr., M.D., Assistant Professor of Medicine.

Cyrus C. Sturgis, M.D., Assistant Professor of Medicine.

Joseph T. Wearn, M.D., Assistant Professor of Medicine.

FRANK H. HUNT, M.D., Instructor in Medicine.

FREDERICK T. LORD, M.D., Instructor in Medicine.

FRANCIS M. RACKEMANN, M.D., Instructor in Medicine.

WILLIAM H. SMITH, M.D., Instructor in Medicine.

GERALD BLAKE, M.D., Instructor in Medicine.

RAPHAEL ISAACS, M.D., Instructor in Medicine.

HENRY JACKSON, Jr., M.D., Instructor in Medicine.

CHESTER M. JONES, M.D., Instructor and Henry Pickering Walcott Fellow in Clinical Medicine.

SAMUEL A. LEVINE, M.D., Alumni Instructor in Medicine.

HARRY A. NISSEN, M.D., Alumni Instructor in Medicine.

WILLIAM R. OHLER, M.D., Instructor in Medicine.

FRANCIS W. PALFREY, M.D., Instructor in Medicine.

WILLIAM D. SMITH, M.D., Instructor in Medicine.

PAUL D. WHITE, M.D., Instructor in Medicine.

F. DENNETTE ADAMS, M.D., Assistant in Medicine.

HERRMANN L. BLUMGART, M.D., Assistant in Medicine.

PERCY B. DAVIDSON, M.D., Assistant in Medicine.

EDWARD S. EMERY, Jr., M.D., Assistant in Medicine.

MAURICE FREMONT-SMITH, M.D., Assistant in Medicine.

G. Philip Grabfield, M.D., Assistant in Medicine and Instructor in Pharmacology.

JAMES HITCHCOCK, M.D., Assistant in Medicine.

Donald S. King, M.D., Assistant in Medicine.

WILLIAM G. LENNOX, M.D., Assistant in Medicine and Research Fellow in Neuropathology.

HYMAN MORRISON, M.D., Assistant in Medicine.

WILLIAM P. MURPHY, M.D., Assistant in Medicine.

BENJAMIN H. RAGLE, M.D., Assistant in Medicine.

MILLARD SMITH, M.D., Assistant in Medicine.

Louis Wolff, M.D., Assistant in Medicine.

John S. Lawrence, M.D., Edward Hickling Bradford Fellow in Medical Research.

WILLARD O. THOMPSON, M.D., Research Fellow in Medicine.

EDOUARD WILLOCK, M.D., Research Fellow in Medicine.

CHARLES L. BROWN, M.D., Teaching Fellow in Medicine.

# REQUIRED COURSES

The instruction given by the Department of Medicine consists in lectures, recitations, amphitheatre clinics, practical work in the out-patient department and wards of the hospitals, and a thorough course in clinical pathology given at the Harvard Medical School in the laboratory of the Department.

Second and Third Years. — The time given to the Department of Medicine in the medical curriculum comes in the second half of the second year

and throughout the third and fourth years. During the second half of the second year, instruction in the methods of history taking, physical examination, and laboratory technique is offered, and a few lectures and demonstrations introductory to internal medicine. Throughout the third year the subjects of internal medicine are covered by lectures, clinics, and recitations. During the third year also the students come in intimate contact with patients in the out-door departments of the various hospitals in small groups under the supervision of instructors. Throughout this year a clinical pathological conference is held weekly in conjunction with the Department of Pathology. Voluntary courses are offered to third-year students at various times throughout the year.

Fourth Year.— In this year the students serve as clinical clerks in the wards of a general hospital for one or two months and spend one month as assistants to the clinic in the out-door departments. Each student is expected to work up some problem to present for discussion during this month. In this year the students in small sections have special instruction at a hospital exclusively for tubercular patients. Opportunity is offered in the fourth year for specially qualified students to take advanced courses and carry on research problems in internal medicine.

The instruction is given at the Harvard Medical School, the Peter Bent Brigham Hospital, the Massachusetts General Hospital, the Boston City Hospital and several other hospitals devoted to special purposes. In these hospitals abundant and varied clinical material is available for the conduct of the numerous exercises.

SECOND YEAR	OURS
Lectures and recitations on physical diagnosis and history taking. Dr.	
ROBEY. P.B.B.H.	19
Clinical Pathological exercises. Dr. Sturgis and assistants. H.M.S.	
Three times a week.	90
Exercises in sections, physical diagnosis and history taking. Dr.	
Robey and assistants. Each student has twenty-nine exercises.	<b>5</b> 8
Lectures and demonstrations on selected topics in internal medicine.	
Drs. Robey, Minot, and Means.	24
·	
THIRD YEAR	
Lectures, recitations, and clinics on selected topics in internal medi-	
cine. Drs. Christian, Peabody, Locke, Minot, Means, and	

Throughout the year.

Clinical pathological demonstration. Drs. Cabot, Wolbach, and Wright. P.B.B.H. and M.G.H. Once a week throughout the

FROTHINGHAM.

year.

104

32

Exercises in sections in the out-patient departments at the M.G.H. and B.C.H. Each section has twenty-four exercises of two and a half hours each.

. . 60

#### FOURTH YEAR

Clinical clerkship at M.G.H. (Medicine 1, Dr. Means and associates), B.C.H. (Medicine 2, Dr. Peabody and associates), or P.B.B.H. (Medicine 3, Dr. Christian and associates). 144 or 288

Out-patient work at M.G.H. (Medicine 4), B.C.H. (Medicine 5), or P.B.B.H. (Medicine 6).

144

#### ELECTIVE COURSES

#### FOURTH YEAR

MEDICINE 7. Advanced studies in Medicine. Dr. Means. M.G.H.

MEDICINE 8. Advanced studies in Medicine. Dr. Peabody. B.C.H.

MEDICINE 9. Advanced Studies in Medicine. Dr. Christian. P.B.B.H.

MEDICINE 10. Advanced studies in Medicine. Dr. Minot. H.M.H.

#### VOLUNTARY COURSES

Courses in Clinical Medicine. By members of the Medical Department, October, December, January, March, April, May, M.G.H.

METHODS OF CLINICAL INVESTIGATION. Drs. MINOT, ISAACS and STURGIS. November, H.M.H.

THE BLOOD AND CLINICAL ASPECTS OF THE HEMOPOIETIC SYSTEM. Drs. MINOT STURGIS, and ISAACS. January, H.M.H.

CLINICAL MEDICINE. Drs. MINOT, STURGIS and ISAACS. Time to be arranged with instructor, H.M.H.

MEDICAL TREATMENT OF COMMON DISEASES. Dr. PALFREY. Tuesdays, 2 p.m., February and March, H.M.S.

CLINICAL RÉSUMÉ OF CARDIO-VASCULAR DISEASES. Dr. LEVINE. Tuesdays, 4.15 p.m., November, December, January, P.B.B.H.

Diagnosis of Diseases of the Alimentary Tract. Dr. Davidson. Tuesdays, 2-4 p.m., January through April, B.C.H.

AN OUTLINE OF MEDICAL BIOGRAPHY WITH SPECIAL ATTENTION TO THE HISTORY OF MEDICAL DIAGNOSTIC AND THERAPEUTIC METHODS. Dr. Morrison. Second half-year, Thursdays 4 to 6 p.m., H.M.S.

CORRELATION OF PHYSICAL SIGNS. Dr. ROBEY and associates. Thursdays, 3 to 5 p.m., January 31 to May 31, B.C.H.

RESEARCH. Opportunities for research are offered to the members of the Department and other students, both undergraduate and graduate, in the laboratories of the department at the Medical School and at the medical clinics of the Massachusetts General, Peter Bent Brigham, and Boston City hospitals.

# Surgery

The Department of Surgery includes surgery, clinical surgery, operative surgery, surgical pathology, surgical technique, genito-urinary surgery, roentgenology, and the laboratory of surgical research.

HARVEY CUSHING, M.D., Moseley Professor of Surgery.

CHARLES A. PORTER, M.D., John Homans Professor of Surgery.

DAVID CHEEVER, M.D., Associate Professor of Surgery.

EDWARD P. RICHARDSON, M.D., Associate Professor of Surgery.

JOSHUA C. HUBBARD, M.D., Clinical Professor of Surgery.

PAUL THORNDIKE, M.D., Clinical Professor of Genito-Urinary Surgery.

J. Dellinger Barney, M.D., Assistant Professor of Genito-Urinary Surgery.

ROBERT B. GREENOUGH, M.D., Assistant Professor of Surgery.

George W. Holmes, M.D., Assistant Professor of Roentgenology.

WILLIAM C. QUINBY, M.D., Assistant Professor of Genito-Urinary Surgery.

DANIEL F. JONES, M.D., Associate in Surgery.

HILBERT F. DAY, M.D., Instructor in Surgery.

JOHN HOMANS, M.D., Instructor in Surgery.

GILBERT HORRAX, M.D., Instructor in Surgery and Secretary of the Department.

MERRILL C. Sosman, M.D., Instructor in Roentgenology.

James S. Stone, M.D., Instructor in Surgery.

ARTHUR W. ALLEN, M.D., Instructor in Surgery.

PATRICK F. BUTLER, M.D., Instructor in Roentgenology.

EDWARD D. CHURCHILL, M.D., Instructor in Surgery.

ROBERT C. COCHRANE, M.D., Instructor in Surgery and Genito-Urinary Surgery.

HARRY F. HARTWELL, M.D., Instructor in Surgery.

Otto J. Hermann, M.D., Instructor in Surgery.

WILLIAM E. LADD, M.D., Instructor in Surgery.

GEORGE A. LELAND, Jr., M.D., Instructor in Surgery.

CHARLES C. LUND, M.D., Instructor in Surgery.

Monroe A. McIver, M.D., Instructor in Surgery.

RICHARD H. MILLER, M.D., Instructor in Surgery.

Donald Munro, M.D., Instructor in Surgery and Assistant in Anatomy.

FRANCIS C. NEWTON, M.D., Instructor in Surgery.

THOMAS K. RICHARDS, M.D., Instructor in Surgery.

Augustus Riley, M.D., Instructor in Genito-Urinary Surgery.

CHANNING C. SIMMONS, M.D., Instructor in Surgery.

WYMAN WHITTEMORE, M.D., Instructor in Surgery.

GEORGE H. BINNEY, M.D., Assistant in Surgery.

FLETCHER H. COLBY, M.D., Assistant in Genito-Urinary Surgery.

RICHARD DRESSER, M.D., Assistant in Roentgenology.

EDWARD HARDING, M.D., Assistant in Surgery.

TORR W. HARMER, M.D., Assistant in Surgery and in Anatomy.

OSCAR R. T. L'ESPERANCE, M.D., Assistant in Genito-Urinary Surgery.

WILLIAM L. McClure, M.D., Alumni Assistant in Surgery.

WILLIAM A. ROGERS, M.D., Assistant in Surgery.

ALPHA R. SAWYER, M.D., Assistant in Genito-Urinary Surgery.

HORACE K. SOWLES, M.D., Assistant in Surgery.

GRANTLEY W. TAYLOR, M.D., Assistant in Surgery.

CHARLES E. TEEL, M.D., Assistant in Genito-Urinary Surgery.

Tracy J. Putnam, M.D., Arthur Tracy Cabot Fellow in Surgery, in charge of Laboratory of Surgical Research.

HARLAN F. NEWTON, M.D., Austin Teaching Fellow in Surgery.

#### REQUIRED COURSES

Instruction will be given by amphitheatre clinics, lectures, and conferences, together with section teaching in the wards and out-patient departments of the hospitals and in the laboratory of surgical research. Elective and voluntary courses will be given in the laboratories of the Harvard Medical School and in the wards and operating rooms of the hospitals.

Second Year. — The course will begin in February of the second year. Instruction will be given by clinical lectures and section work in the various hospitals and in the surgical laboratory. The course will cover the general principles of surgical treatment: surgical technique, the use of apparatus and instruments, and an introduction to clinical surgery, beginning with inflammation, trauma, etc.

Third Year. — The course in the second year is designed to prepare the student for both the "dresser" service in the out-patient departments of the hospitals affiliated with the School and for the more elaborate description of regional surgery carried on throughout the third year by amphitheatre clinics, lectures, symposia, etc. The "dresser" service in general surgery is arranged so that small groups of students will have a three weeks' service (from 9 to 11.30 A.M.) in one of the various hospitals. Instruction in roentgenology will be carried out during this period. In addition, each student will have a two weeks' service in genito-urinary surgery (from 9 to 11.30 A.M.) in the out-patient department of one of the hospitals.

Fourth Year. — A service of not less than three months as clinical clerk in the surgical wards of the M.G.H., B.C.H., or P.B.B.H., is required of each student, except for those who take at least three months in Medicine, in which case two months of surgery are required.

SECOND YEAR HO	URS
Clinical lectures. Dr. Richardson and associates. M.G.H. Once a week, February 1-May 29.	16
Section work. Dr. RICHARDSON and associates. Laboratory of Surgical Research, H.M.S. Three times a week for two hours, January 28-May 8. Each student has nine exercises.	38
Clinical lectures. M.G.H. Once every alternate week, February 1– April 3 and May 15–May 29.	6
THIRD YEAR	•
Amphitheatre Clinics. Drs. Cushing, Porter, and associates. P.B. B.H., M.G.H., B.C.H. Once a week and once-every alternate week throughout the year.	<b>48</b>
Lectures and exercises in regional surgery. Once a week throughout the year.	32
Clinical Pathological Conferences, in conjunction with the Departments of Medicine and Pathology.  Section work: (A) Out-Patient dresser service. Drs. Munro and Richards (B.C.H.), Dr. Churchill (M.G.H.), Dr. Francis Newton (P.B.B.H.), and Dr. Day (B.D.). Each student has	3 <b>2</b>
eighteen two-and-a-half-hour exercises.  (B) Genito-urinary surgery. B.C.H., M.G.H., and P.B.B.H.  Each student has twelve two-and-a-half-hour exercises.	45 30
Roentgenology. Instruction will be given $(a)$ to students during their section work in general surgery at the various hospitals; $(b)$ to the class as a whole in the combined exercises of Surgery and Medicine when such instruction is indicated by the topic under discussion.	
FOURTH YEAR	
Clinical clerkship at M.G.H. (Surgery 1, Dr. Porter and associates), B.C.H. (Surgery 2, Dr. Hubbard and associates), or P.B.B.H. (Surgery 3, Dr. Cushing and associates).	432
FOURTH-VEAR FLEGGIVE COURSES	

#### FOURTH-YEAR ELECTIVE COURSES

SURGERY 4. Drs. OSGOOD and STONE. C.H. All day, throughout the year. Limited to six men each month.

Note: This course is made up of Surgery 4a and afternoon clinic work in orthopaedic surgery.

Surgery 4a. Children's Surgery. Dr. Stone. C.H. Half-course, mornings.

- Surgery 5. Genito-Urinary Surgery. Dr. Cochrane, B.C.H. Half-course, mornings; or, with the permission of the instructor, whole course, all day.
- Surgery 6. Genito-Urinary Surgery. Dr. Barney. M.G.H. Half-course, mornings; or, with permission of the instructor, whole course, all day.
- Surgery 7. Genito-Urinary Surgery. Dr. Quinby. P.B.B.H. Whole course, all day. Limited to 2 men in each month.
- SURGERY 8. Research. H.M.S. Whole course, all day.
- SURGERY 9. Roentgenology. Drs. Holmes, Merrill, Butler, and Sosman. Whole course, all day.
- Surgical Pathology of Tumors. Drs. Greenough and Wright. Half-course, afternoons of January. (See Pathology 5.)

#### VOLUNTARY COURSES

- OPERATIVE SURGERY. Dr. F. C. NEWTON. H.M.S. Thursdays, 2 to 5 P.M., November through January and February through April. Open to third-year students. Application should be made to Dr. Newton.
- CLINICAL SURGICAL CONFERENCES. Drs. PORTER and RICHARDSON. M.G.H. Tuesdays, 2.30 to 4.45 p.m., October through April.
- AUTOPSIES. Dr. MAGRATH. 18 North Grove St., Tuesdays, 4 P.M., November 3 through April 27.

#### **Pediatrics**

Kenneth D. Blackfan, M.D., Thomas Morgan Rotch Professor of Pediatrics.

JAMES L. GAMBLE, M.D., Associate Professor of Pediatrics.

EDWIN H. PLACE, M.D., Clinical Professor of Pediatrics.

FRITZ B. TALBOT, M.D., Clinical Professor of Pediatrics.

RICHARD M. SMITH, M.D., Assistant Professor of Child Hygiene.

MAYNARD LADD, M.D., Associate in Pediatrics.

BENGT L. K. HAMILTON, M.D., Sc.D., Instructor in Pediatrics.

HAROLD C. STUART, M.D., Instructor in Pediatrics.

PHILIP H. SYLVESTER, M.D., Instructor in Pediatrics.

EDWIN T. WYMAN, M.D., Instructor in Pediatrics.

RANDOLPH K. BYERS, M.D., Assistant in Pediatrics.

Bronson Crothers, M.D., Assistant in Pediatrics and Instructor in Neurology.

ROBERT D. CURTIS, M.D., Assistant in Pediatrics.

PAUL W. EMERSON, M.D., Assistant in Pediatrics.

HERMANN L. EMIDY, M.D., Assistant in Pediatrics.

RICHARD S. EUSTIS, M.D., Assistant in Pediatrics.

JOSEPH GARLAND, M.D., Assistant in Pediatrics.

HYMAN GREEN, M.D., Assistant in Pediatrics.

LEWIS W. HILL, M.D., Assistant in Pediatrics.

GERALD N. HOEFFEL, M.D., Alumni Assistant in Pediatrics.

JOSEPH A. JOHNSTON, M.D., Assistant in Pediatrics.

ELIOT H. LUTHER, M.D., Assistant in Pediatrics.

ARTHUR B. LYON, M.D., Assistant in Pediatrics.

CHARLES F. McKhann, M.D., Assistant in Pediatrics.

ELI C. ROMBERG, M.D., Assistant in Pediatrics.

JOHN F. SANDER, M.D., Assistant in Pediatrics.

WARREN R. SISSON, M.D., Assistant in Pediatrics.

RICHARD C. TEFFT, M.D., Assistant in Pediatrics.

WILFRED L. McKenzie, M.D., Research Fellow in Child Hygiene.

#### REQUIRED COURSES

Second Year. — Six lectures on the subject of infant feeding are given at the end of the second year. The principles of infant feeding are given at this time in order to familiarize the student with the subject before he comes into contact with patients.

Third Year.—1. Lectures on the general principles of communicable diseases are given weekly at the beginning of the third year.

- 2. Clinical lectures are given weekly at the Children's Hospital during the first half-year. These clinics are arranged to illustrate the more important diseases of infants and children.
- 3. Section teaching: small groups of students are brought into intimate contact with patients in the out-patient department of the Children's Hospital each morning for a period of three weeks. Two mornings a week are spent at the South Department of the Boston City Hospital, for the study of communicable diseases.

Fourth Year.—The fourth-year work consists of instruction at the Children's Hospital, the Infant's Hospital, and at the Children's Department of the Massachusetts General Hospital.

Students are divided into groups and assigned for one month to one of the hospitals. They act as clinical clerks.

One afternoon each week is spent at the South Department, B.C.H., for the study of contagious diseases. One afternoon each week is spent in a Child Hygiene Station for instruction in infant feeding and preventive pediatrics. Instruction in the diseases of the newly born is given at the Lying-in Hospital one afternoon a week to the students during their obstetrical service.

CI 177	MA	TIE	YEA	T

HOURS

Lectures. Drs. Gamble and Stuart. (C.H.) Once a week,

April 12- May 29.

THIRD YEAR

Clinical lectures. Dr. Blackfan and assistants. (C.H. or I.H.) Once a week, first half-year.

16

Lectures. Dr. Place. (H.M.S.) Once a week, October 5-November 2.

4

Section Teaching. (C.H. and I.H.) Throughout the year. Each student attends eighteen exercises of two and one-half hours each during the year.

45

#### FOURTH YEAR

Clinical clerkship. (C.H., I.H., or M.G.H.)

144

#### FOURTH-YEAR ELECTIVE COURSES

- PEDIATRICS 2. Whole courses, all day, C.H. or M.G.H.
- PEDIATRICS 3. Half-courses, mornings, C.H.

# Dermatology and Syphilology

#### DERMATOLOGY

- CHARLES J. WHITE, M.D., Edward Wigglesworth Professor of Dermatology.
- FREDERICK S. BURNS, M.D., Assistant Professor of Dermatology.
- E. LAWRENCE OLIVER, M.D., Instructor in Dermatology.
- JOHN H. BLAISDELL, M.D., Assistant in Dermatology.
- ARTHUR M. GREENWOOD, M.D., Assistant in Dermatology.
- C. GUY LANE, M.D., Assistant in Dermatology.

# REQUIRED COURSES

Third Year.—A series of sixteen introductory lectures, illustrated by the epidiascope, is given on succeeding Wednesdays during the first half-year. Treatment is described in considerable detail. The use of the epidiascope ensures the presentation of individual diseases in the most striking manner at the required moment. Section work in clinical dermatology is given at the Massachusetts General Hospital throughout the year, each section receiving instruction for two weeks from 9 to 11.30 daily. In the section work it is usually possible to present to the students most of the common important diseases which the students can observe and examine most minutely.

#### THIRD YEAR

Lectures. Dr. White. (H.M.S.) Sixteen lectures, first half-year. 16 Section work. Clinical Dermatology. Drs. Burns, Oliver, Blais-DELL, LANE and GREENWOOD. (M.G.H.) Each student attends twelve two-and-a-half-hour exercises.

30

HOURS

#### FOURTH-YEAR ELECTIVE COURSES

- DERMATOLOGY 1. Half-courses, forenoons, October, December, February, and April.
- DERMATOLOGY 2. Microscopical study. Half-course, afternoons, November, Dr. Greenwood.
- DERMATOLOGY 3. Clinical clerkship. Whole courses, all day, October, December, February, and April.

#### SYPHILOLOGY

C. Morton Smith, M.D., Clinical Professor of Syphilology. HENRY D. LLOYD, M.D., Instructor in Syphilology.

George A. Dix, M.D., Instructor in Syphilology.

AUSTIN W. CHEEVER, M.D., Assistant in Syphilology.

# REQUIRED COURSES

Third Year. — Lectures and clinical instruction are given at the Massachusetts General Hospital.

#### THIRD YEAR

HOURS

- Clinical lectures. Dr. SMITH. (M.G.H.) Once a week, October 1-November 19.
- Clinical exercises in sections. Drs. Smith, Lloyd, Dix, and Cheever. (M.G.H.) Each student attends twelve two-and-a-half-hour exercises.

30

8

#### FOURTH-YEAR ELECTIVE COURSES

Syphilology 1. Half-courses, forenoons, offered throughout the school year.

# Diseases of the Nervous System

(Composed of the Sections of Neuropathology, Neurology, and Psychiatry.)

#### NEUROPATHOLOGY

STANLEY COBB, M.D., Associate Professor of Neuropathology.

HARRY C. SOLOMON, M.D., Associate in Psychiatry and Instructor in Neuropathology.

FRANK FREMONT-SMITH, M.D., Assistant in Neuropathology.

DONALD J. McPherson, M.D., Assistant in Neuropathology.

HENRY S. FORBES, M.D., Research Fellow in Neuropathology.

WILLIAM G. LENNOX, M.D., Assistant in Medicine and Research Fellow in Neuropathology.

### REQUIRED COURSES

Second Year. — The course consists of lectures, laboratory work, and demonstrations, with tests, review exercises, and quizzes as required, amounting to approximately fifty hours. Some of the exercises are appropriately integrated with the course in general pathology. The more special diseases of the nervous system are treated in a series of twelve consecutive morning exercises. A brief review is given of the anatomy required for grasping the pathological physiology of the nervous system. The lectures introduce conceptions of value for the third-year courses in neurology and psychiatry and for the neurological parts of courses in internal medicine and in surgery. The histopathological part of the laboratory work deals with the inflammatory reactions, the classical degenerations, and (in brief) with important entities such as general paresis of the insane and tabes dorsalis. Gross pathological specimens are also shown and physiological demonstrations are given to illustrate living pathological processes.

#### SECOND YEAR

HOURS

Lectures and laboratory work. The Staff. Three times a week, April 5-May 8.

# FOURTH-YEAR ELECTIVE COURSES

NEUROPATHOLOGY 1. Research. Opportunities for research are available at the Laboratories of the H.M.S., at the B.P.H., and at the M.G.H. Time to be arranged.

NEUROPATHOLOGY 2. Review. The Staff. Half-course, afternoons in November.

#### VOLUNTARY COURSES

NEUROPATHOLOGY 1. Anatomy of the central nervous system from the functional standpoint. January and February, H.M.S., Dr. Cobb.

NEUROPATHOLOGY 2. December to March (inclusive), Dr. Lennox.

Assistance in a research dealing with experimental convulsions in animals. (See also Anatomy.)

#### NEUROLOGY

EDWARD W. TAYLOR, M.D., James Jackson Putnam Professor of Neurology.

JAMES B. AYER, M.D., Assistant Professor of Neurology.

GEORGE CLYMER, M.D., Instructor in Neurology.

Bronson Crothers, M.D., Instructor in Neurology and Assistant in Pediatrics.

CHARLES A. McDonald, M.D., Instructor in Neurology.

HENRY R. VIETS, M.D., Instructor in Neurology.

HAROLD B. EATON, M.D., Assistant in Neurology.

#### REQUIRED COURSES

Second Year. — Clinical lectures are given at the Massachusetts General Hospital to the entire class, once a week for eight weeks, second half-year. The object of the course is to give the student a general knowledge of the principles of diagnosis and treatment of diseases of the nervous system as a preparation for later work. The general plan of instruction is: (a) Review of the anatomy of the nervous system essential to diagnosis of organic diseases. (b) Correlation of clinical aspects with the work in Neuropathology; demonstrations of specimens and photographs. (c) Study of cases as they present themselves at the out-patient department of the hospital and in the wards.

Third Year. — Clinical lectures are given during April and May of the third year, at the Massachusetts General Hospital. The members of the class are also required to work in the out-patient department in sections throughout the year for which work the more didactic teaching of the second year serves as a necessary preparation. This work is practical in character and serves to bring the student into immediate contact with patients.

#### SECOND YEAR

HOURS

8

30

Clinical lectures. Dr. TAYLOR. (M.G.H.) Once a week, April 10-May 8; twice a week, May 9-29.

#### THIRD YEAR

Clinical lectures. Dr. Taylor. (M.G.H.) Once a week, April 1-May 27.

Section teaching. Each student attends twelve two-and-a-half-hour exercises in Neurology.

#### FOURTH-YEAR ELECTIVE COURSES

NEUROLOGY 1. Half-courses, forenoons, offered throughout the school year.

NEUROLOGY 2. Special opportunities are offered to those who intend to enter this field of medicine.

#### VOLUNTARY COURSES

NEUROLOGY. December, at various hospitals by appointment, Staff of the Department of Neurology.

(See also Anatomy.)

### **PSYCHIATRY**

C. Macfie Campbell, M.D., Professor of Psychiatry.

HARRY C. Solomon, M.D., Associate in Psychiatry and Instructor in Neuropathology.

KARL M. BOWMAN, M.D., Instructor in Psychiatry.

MARTIN W. PECK, M.D., Instructor in Psychiatry.

OSCAR J. RAEDER, M.D., Instructor in Psychiatry.

DOUGLAS A. THOM, M.D., Instructor in Psychiatry.

F. LYMAN WELLS, Ph.D., Instructor in Experimental Psychopathology. CLEMENTS C. FRY, M.D., Assistant in Psychiatry.

# REQUIRED COURSES

First Year. — Medical Psychology. Physiology deals with the reactions of the various organs and systems; psychology deals with the reactions of the individual to the environment. In this course on medical psychology the student will have an opportunity of studying briefly the emotional reactions, their modification by experience, the rôle played in these reactions by the various systems; the ability to receive, elaborate, store, and reactivate impressions; variations in constitutional endowment; special lines of weakness; the importance of personal factors in medicine in general, and especially in relation to nervous and mental disorders.

Third Year. — From September 22 through January clinical lectures will be given once a week at the Psychopathic Hospital. An endeavor will be made to present examples of all the most important varieties of mental disorder, with special emphasis on the mild and incipient cases which are frequently treated by the general practitioner. More attention will be given to the dynamic analysis and the practical problems of the individual case than to questions of formal classification. Some examples of nervous and mental disorders of childhood will be presented.

For bed-side work the class is divided into small sections, and each student will be given opportunity for personally studying individual cases.

#### FIRST YEAR

HOURS

Lectures on Medical Psychology. Dr. Campbell. (B.P.H.) Once a week, March 15-May 29.

10

#### THIRD YEAR

Clinical lectures. Dr. Campbell and assistants. (B.P.H.) Once a week, September 28 through January.

16

Section teaching. Each student attends twelve two-and-a-half-hour exercises.

30

# FOURTH-YEAR ELECTIVE COURSES

PSYCHIATRY 1. Whole courses or half-courses, forenoons or all day, offered throughout the year.

#### VOLUNTARY COURSE

PSYCHIATRY. Staff of the Department of Psychiatry, B.P.H. Tuesdays and Thursdays, March.

(See also Anatomy.)

# Obstetrics and Gynaecology

#### OBSTETRICS

- FRANKLIN S. NEWELL, M.D., Professor of Clinical Obstetrics.
- FREDERICK C. IRVING, M.D., Assistant Professor of Obstetrics.
- ROBERT L. DENORMANDIE, M.D., Instructor in Obstetrics.
- Foster S. Kellogg, M.D., Instructor in Obstetrics.
- NATHANIEL R. MASON, M.D., Instructor in Obstetrics and in Gynaecology.
- JAMES R. TORBERT, M.D., Instructor in Obstetrics.
- DELOS J. BRISTOL, Jr., M.D., Assistant in Obstetrics.
- THOMAS R. GOETHALS, M.D., Assistant in Obstetrics.
- Paul Gustafson, M.D., Assistant in Obstetrics.
- DELBERT L. JACKSON, M.D., Assistant in Obstetrics.
- JOHN C. ROCK, M.D., Assistant in Obstetrics.
- JUDSON A. SMITH, M.D., Alumni Assistant in Obstetrics.
- JOHN B. SWIFT, Jr., M.D., Assistant in Obstetrics.
- W. T. SHERMAN THORNDIKE, M.D., Assistant in Obstetrics.
- WILLIAM B. YOUNG, M.D., Assistant in Obstetrics.
- Joseph V. Taylor, M.D., Teaching Fellow in Obstetrics.

# REQUIRED COURSES

Third Year.—Instruction is given by lectures, conferences, and clinical teaching. Students are required to take charge, before graduation, of at

30

least twelve cases of labor, under supervision and instruction, to care for their patients during the convalescence, and to make full written reports of the cases.

Fourth Year. — The fourth-year course will occupy the student's entire time for one month. It will be given at the Boston Lying-in Hospital and at the Medical School. During half of the course the student will lodge at the hospital, and devote his time chiefly to attendance on cases in the out-patient clinic. In the course of his work he will be called on to assist at operations in the out-patient department, and will be expected, when his other duties permit, to make ward visits with the physician on duty in the house. In the other half of the course he will conduct the convalescence of the cases delivered by him during his resident service, and make daily ward visits at which clinical instruction will be given in the general management of normal and abnormal labor, in the study of the puerperal convalescence, and in the care of the young infant. Detailed written reports of the out-patient cases attended will be required. His clinical work will be done under the supervision of the department and of the hospital staff on duty, and he will receive careful instruction in the proper methods of delivery and the care of the convalescence. An opportunity will be given each student to study the care of pregnancy in the Pregnancy Clinic, where instruction in pelvimetry and in diagnosis of presentation and position by external examination will be given. Case teaching on four afternoons during the week will be an important feature of the course. The student will also be given at the Medical School a course of demonstrations in operative obstetrics during the first week of each course, and each student will have an opportunity to perform the different operations on the manikin.

SECOND	YEAR	HOURS

Lectures. Dr. IRVING. (H.M.S.) Twice a week, April 14-May 29. 12

#### THIRD YEAR

Lectures and conferences on Obstetrics. Dr. Newell and assistants.

(H.M.S.) Once a week, throughout the year.

32

Practical instruction in Clinical Obstetrics. By members of the Department. Throughout the year.

#### FOURTH YEAR

Practical instruction, in sections, in Clinical Obstetrics. One month. 144

#### GYNAECOLOGY

WILLIAM P. GRAVES, M.D., Professor of Gynaecology.

ROBERT M. GREEN, M.D., Instructor in Gynaecology and Assistant Professor of Applied Anatomy.

NATHANIEL R. MASON, M.D., Instructor in Gynaecology and in Obstetrics.

FRANK A. PEMBERTON, M.D., Instructor in Gynaecology.

HAROLD W. BAKER, M.D., Assistant in Gynaecology.

JOSEPH P. COHEN, M.D., Assistant in Gynaecology.

FREDERICK L. GOOD, M.D., Assistant in Gynaecology.

HAROLD V. HYDE, M.D., Assistant in Gynaecology.

FREDERICK J. LYNCH, M.D., Assistant in Gynaecology.

EDWARD B. SHEEHAN, M.D., Assistant in Gynaecology.

RICHARD G. WADSWORTH, M.D., Assistant in Gynaecology.

JOHN T. WILLIAMS, M.D., Assistant in Gynaecology.

# REQUIRED COURSES

Third Year. — Instruction is given by lectures and clinical teaching in the third year. Clinics are held in the wards and out-patient departments of the Free Hospital for Women, Boston City Hospital, and Boston Dispensary. The student is instructed in the examination and diagnosis of gynaecological disease, and in the technic of gynaecological operations.

#### THIRD YEAR

HOURS

Lectures. Drs. Graves and Pemberton. (H.M.S.) Once a week, February 3-March 24.

8

Clinical exercises. Drs. Graves, Wadsworth, Baker, and Sheehan (F.H. for W.), and Drs. Mason, Green, Cohen, Good, Hyde, and Williams (B.C.H.). In sections, throughout the year. Each student attends twelve exercises.

30

#### FOURTH-YEAR ELECTIVE COURSE

GYNAECOLOGY 1. Dr. GRAVES, assisted by Drs. Pemberton, Wadsworth, Baker, and Sheehan. F. H. for W. Whole courses or half-courses, mornings, offered throughout the year.

# Orthopaedic Surgery

ROBERT B. OSGOOD, M.D., John B. and Buckminster Brown Professor of Orthopaedic Surgery.

NATHANIEL S. ALLISON, M.D., Professor of Orthopaedic Surgery.

Albert H. Brewster, M.D., Instructor in Orthopaedic Surgery.

LLOYD T. BROWN, M.D., Instructor in Orthopaedic Surgery.

Henry J. FitzSimmons, M.D., Instructor in Orthopaedic Surgery.

RALPH K. GHORMLEY, M.D., Instructor in Orthopaedic Surgery.

ARTHUR T. LEGG, M.D., Instructor in Orthopaedic Surgery.

Frank R. Ober, M.D., Instructor in Orthopaedic Surgery.

James W. Sever, M.D., Instructor in Orthopaedic Surgery.

MARIUS N. SMITH-PETERSEN, M.D., Instructor in Orthopaedic Surgery.

ROBERT SOUTTER, M.D., Instructor in Orthopaedic Surgery.

PHILIP D. WILSON, M.D., Instructor in Orthopaedic Surgery.

LORING T. SWAIM, M.D., Assistant in Orthopaedic Surgery.

ROBERT C. LONERGAN, M.D., Teaching Fellow in Orthopaedic Surgery.

#### REQUIRED COURSES

Third Year. - Instruction is given in Orthopaedic Surgery by lectures at the Harvard Medical School or Children's Hospital in the first half of the third year, and throughout the third year by clinical exercises at the Children's Hospital and Massachusetts General Hospital.

#### THIRD YEAR

HOURS

Lectures. Professors Osgood, Allison and Associates. (H.M.S.or C.H.) October 2-December 18. Once a week. 12

Clinical exercises. Professors Osgood, Allison and Associates. (C.H. and M.G.H.) In sections throughout the year. student has twelve exercises. 30

#### FOURTH-YEAR ELECTIVE COURSES

ORTHOPAEDIC SURGERY 1. Half-course, afternoons, December.

ORTHOPAEDIC SURGERY 2. Whole course, all day, offered throughout the school year. M.G.H. and C.H.

ORTHOPAEDIC SURGERY 3. Half-course, mornings, offered throughout the school year. Out-patient Department, C.H.

ORTHOPAEDIC SURGERY 4. Half-course, mornings, offered throughout the school year. Out-patient Department, M.G.H.

ORTHOPAEDIC SURGERY 5. Half-course, mornings, offered throughout the school year. Out-patient Department and wards, C.H., and Outpatient Department and wards, M.G.H.

# Ophthalmology

GEORGE S. DERBY, M.D., Williams Professor of Ophthalmology.

FREDERICK H. VERHOEFF, M.D., Professor of Ophthalmic Research.

ROBERT C. CHENEY, M.D., Assistant in Ophthalmology.

EDWIN B. DUNPHY, M.D., Assistant in Ophthalmology.

EDWIN B. GOODALL, M.D., Assistant in Ophthalmology.

RALPH A. HATCH, M.D., Assistant in Ophthalmology.

HUGO B. C. RIEMER, M.D., Assistant in Ophthalmology.

J. HERBERT WAITE, M.D., Assistant in Ophthalmology.

# REQUIRED COURSES

Third Year. — Instruction in Ophthalmology consists of: —

- 1. Eight exercises at the Medical School devoted to the demonstration of lantern slides and illustrations of the subject matter to be considered, followed by quizzes based on lecture notes and the foregoing demonstration.
- 2. Twelve clinical exercises of two and one-half hours each in sections at the Massachusetts Eye and Ear Infirmary, devoted to methods of examination, diagnosis, and treatment. Twelve hours of the foregoing is devoted to the use of the ophthalmoscope.

#### THIRD YEAR

HOURS

8

Clinical exercises. Drs. Derby, Souter, Hatch, Goodall, Cheney, Waite, and Riemer. In sections throughout the year. 30

Demonstrations and quizzes. (H.M.S.) Once a week, November 25-January 27.

#### FOURTH-YEAR ELECTIVE COURSES

OPHTHALMOLOGY 1. Whole course, mornings, offered throughout the year.

OPHTHALMOLOGY 2. Half-course, mornings, offered throughout the year.

#### Otology

D. HAROLD WALKER, M.D., Walter Augustus Lecompte Professor of Otology.

CALVIN B. FAUNCE, Jr., M.D., Assistant Professor of Otology.

HARRY P. CAHILL, M.D., Instructor in Otology.

PHILIP HAMMOND, M.D., Instructor in Otology.

FREDERICK L. BOGAN, M.D., Instructor in Otology.

OLIVER A. LOTHROP, M.D., Instructor in Otology.

PHILIP E. MELTZER, M.D., Instructor in Otology.

CHARLES T. PORTER, M.D., Instructor in Otology.

CHARLES O. DAY, M.D., Assistant in Otology.

HARRY P. FINCK, M.D., Assistant in Otology.

Third Year. — Instruction is given by lectures at the Harvard Medical School and clinical instruction in the third year in sections, each student receiving instruction every morning for two weeks at the Massachusetts Eye and Ear Infirmary with anatomical and histological demonstrations at the Harvard Medical School.

#### THIRD YEAR

HOURS

30

8

Clinical exercises in sections. (E. and E.I.) Every student has twelve exercises.

Lectures. (H.M.S.) Once a week. September 30-November 18.

#### FOURTH-YEAR ELECTIVE COURSES

OTOLOGY 1. Quarter-course, mornings, offered throughout the year.

OTOLOGY 2. Half-course, mornings, October to January.

# Laryngology

HARRIS P. Mosher, M.D., Professor of Laryngology.

HARRY A BARNES, M.D., Instructor in Laryngology.

FREDERICK E. GARLAND, M.D., Instructor in Laryngology.

JOSEPH L. GOODALE, M.D., Instructor in Laryngology.

D. Crosby Greene, M.D., Instructor in Laryngology.

CHARLES D. KNOWLTON, M.D., Instructor in Laryngology.

Edwards W. Herman, M.D., Assistant in Laryngology.

James C. Kirby, M.D., Assistant in Laryngology.

D. CAMPBELL SMYTH, M.D., Assistant in Laryngology.

HAROLD G. TOBEY, M.D., Assistant in Laryngology and Instructor in Otology.

WILLIAM I. WIGGIN, M.D., Assistant in Laryngology.

GEORGE H. WRIGHT, D.M.D., Assistant in Laryngology.

# REQUIRED COURSES

Third Year. — Instruction consists of lectures and section work in the third year, each section being assigned for the mornings of two weeks to the clinic of the Massachusetts General Hospital. In addition to clinical instruction, frequent special exercises or demonstrations will be given.

#### THIRD YEAR

HOURS

8

Clinical exercises. All members of the Department. Twelve exercises for each student.

Lectures. Dr. Mosher and assistants. M.G.H. Once a week, November 19-January 28.

#### FOURTH-YEAR ELECTIVE COURSE

LARYNGOLOGY 1. Half-course or quarter-course, forenoons, offered throughout the year. M.G.H.

# Bio-physics

FOURTH-YEAR ELECTIVE COURSE

Bio-physics 1. Dr. Bovie. Whole course, all day, May.

#### VOLUNTARY COURSES

BIO-PHYSICAL METHODS. Dr. BOVIE. October, continuing as long as is indicated by the students' needs. Open to third-year men and to other members of the University.

# History of Medicine

#### VOLUNTARY COURSE

STATE OF MEDICINE IN THE 16TH CENTURY. Dr. STREETER. Thursday evenings, November to April. Limited to ten third and fourth-year men.

# Tropical Medicine

RICHARD P. STRONG, M.D., S.D., Professor of Tropical Medicine.

A. WATSON SELLARDS, M.D., Assistant Professor of Tropical Medicine. George C. Shattuck, M.D., A.M., Assistant Professor of Tropical

Medicine.

Joseph C. Bequaert, Ph.D., Instructor in Entomology.

JACK H. SANDGROUND, Sc.M., Instructor in Tropical Helminthology.

CARLOS CHAGAS, A.M., Lecturer on Tropical Medicine.

WILLIAM E. DEEKS, M.D., A.M., Lecturer on Tropical Medicine.

Alexander Hamilton Rice, M.D., A.M., Lecturer on Diseases of South America.

ALBERT A. HORNOR, M.D., Assistant in Tropical Medicine.

MAX THEILER, M.R.C.S., Assistant in Tropical Medicine.

The following courses are offered in Tropical Medicine, time to be arranged on consultation with Dr. Strong.

TROPICAL MEDICINE 1. Infectious Diseases; whole course, afternoons.

TROPICAL MEDICINE 2. Entomology; half-course, afternoons.

TROPICAL MEDICINE 3. Bacteriology; whole course, afternoons.

TROPICAL MEDICINE 4. Pathology; half-course, mornings.

TROPICAL MEDICINE 5. Protozoölogy; half-course, mornings.

TROPICAL MEDICINE 6. Helminthology; half-course, mornings.

TROPICAL MEDICINE 7. In addition to the above laboratory courses there are opportunities for work in the Service for Tropical Diseases at the Boston City Hospital, either for graduates as house-officer or for undergraduates as Clinical Clerk; time to be arranged upon consultation with Dr. George C. Shattuck.

Students coming from tropical or subtropical countries, or those who intend to practise in such countries, are especially urged to elect these courses. Further details concerning the same may be obtained from Dr. R. P. Strong, Room 229, Building D.

#### Public Health

#### FOURTH-YEAR ELECTIVE COURSES

Fourth-year students may elect certain courses in the School of Public Health. The following courses are available:

- CHILD HYGIENE. Dr. R. M. SMITH. Whole course, all day, March.
- INDUSTRIAL MEDICINE. Drs. PARMENTER, HAMILTON, and assistants. Whole course, all day, February.
- MENTAL HYGIENE. Dr. CAMPBELL. Whole course, all day, February.
- VITAL STATISTICS. Professor E. B. WILSON. Whole course, mornings, December and January.
- Antitoxin and Vaccine Laboratory. Dr. White. Halfcourse, afternoons, October.
- Public Health Bacteriology. Dr. Zinsser. Whole course, mornings, March and April.
  - Tuesday and Thursday afternoons are left free in all the above courses.
- Public Health Administration and Epidemiology. Dr. Bigelow, Dr. Rosenau, and outside lecturers. Whole course. Lectures Tuesday and Thursday afternoons, October through March. Field work all day, May.

#### RESERVE OFFICERS' TRAINING CORPS

A medical unit of the Reserve Officers' Training Corps provides systematic training for the purpose of qualifying selected students for appointment in the medical officers Reserve Corps in the military forces of the United States. Thirty lectures on medico-military subjects are given by the Professor of Military Science and Tactics during each of the four school years to the students who have been enrolled as members of the medical unit. There are two courses of instruction, basic and advanced, the former occupying the first two years, the latter the last two years of the medical course. Selected students are eligible for appointment as internes in Army hospitals for twelve months. This follows appointment to the Reserve Corps upon recieving the degree in medicine.

In addition to the instruction by means of lectures, students who have completed the basic course and have been enrolled in the advanced course will attend a course of military instruction of about six weeks' duration at a summer camp.

Having completed the basic course, students are entitled to draw, during the last two years, while enrolled in the advanced course, commutation of rations amounting at present to approximately \$108 per annum, paid quarterly. This, with camp allowances, amounts to some \$250 for the last two years. All expenses of the camp term, including transportation, are borne by the War Department. This camp of instruction lasts six weeks and is held at the Medical Field Service School at Carlisle, Pennsylvania. A trip to the battlefield at Gettysburg is taken during the camp term.

# TABULAR VIEW OF UNDERGRADUATE COURSES

# FIRST YEAR—First Half-Year

Sept. 28, 1925—Jan. 30, 1926 (Inclusive)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–12	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	
2-4.30	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	$\begin{array}{c} \operatorname{Anatomy} \\ \text{\textit{or}} \\ \operatorname{Histology} \end{array}$	

# FIRST YEAR—Second Half-Year

		LEB. 1-	res. 1—MAY 29, 1920 (Incusive)	nc(usive)		
9-12.30	Physiology	Biological Chemistry Lecture at 9	Physiology	Biological Chemistry Lecture at 9	Physiology	Biological Chemistry Lecture at 9
2-4	Physiology	Biological Chemistry		Biological Chemistry	Physiology	
4−5	March 15-May 29 (10 weeks) Medical Psychology				Biological Chemistry Personal conferences	

SECOND YEAR—First Half-Year Sept. 28, 1925—Jan. 30, 1926 (Inclusive)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10				E		Pharmacology
10-11	Pathology	r narmacology	Pathology	г пагшасогову	Pathology	
11–12.30		Pharmacology (one third of class)		Anatomy (half class) Pharmacology		(half class) Pharmacology (one third of class)
12.30-1				(one wird of ctass)		
29 52	Bacteriology		Bacteriology		Bacteriology	

		Mondax	TUESDAY	Wednesday	THURSDAY	FRIDAY	SATURDAY
-May 8 (84990	9-10	Feb. 1-Apr. 3 (9 weeks) Pathology	Medicine†	Feb. 1-Apr. 3 (9 weeks) Pathology	Surgery M. G. H.	Feb. 1-Apr. 3 (9 weeks) Pathology	Feb. 1-Apr. 3 (9 weeks) Medicine*† or Surgery*† Apr. 5-May 8 (4 weeks)
-I .69·H	10.30–12.30	$Apr. 5-May 8 \ (4 weeks)$ Neuropathology	Div. A — Med. Div. B — Surg. Alternate weeks Div. B — Med. Div. A — Surg.	$A pr. \ b-May \ 8 \ (4 \ weeks)$ Neuropathology	Div. B — Med. Div. A — Surg. Alternate weeks Div. A — Med. Div. B — Surg.	$Apr. \ \tilde{b}-May \ 8$ $(4 \ weeks)$ Neuropathology	9-10 Neurology  Div. A — Med.  Div. B — Surg.  Alternate weeks  Div. B — Med.  Div. A — Surg.
67 ft v)	9–10	Medicine†	Neurology	Medicine†	Surgery M. G. H.	Neurology	Medicine† or Surgery†
W – (	10-10.30						
n g)	10.30–12.30	Medicine Section Work	Medicine Section Work	Medicine Section Work	Medicine Section Work	Medicine Section Work	Medicine Section Work
Feb. 1-Apr. 10 (10 weeks)	2-5	Feb. 1-Feb. 27 (4 weeks) Parasitology Mar. 1-Apr. 10 (6 weeks) Clin. Pathology		Feb. 1-Feb. 27 (4 weeks) Parasitology Mar. 1-Apr. 10 (6 weeks) Clin. Pathology		Feb. 1-Feb. 27 (4 weeks) Parasitology Mar. 1-Apr. 10 (6 weeks) Clin. Pathology	
(848) (848)	2-4	Clin. Pathology		Clin. Pathology		Clin. Pathology	
[-21.7qA   9w 8)	-4 3	Pediatrics		Obstetrics		Obstetrics	

† See Bulletin Board, H. M. S., for place of meeting. \* Alternate weeks; Surgery first week.

# THIRD YEAR—First Half-Year

SEPT. 28, 1925—JAN. 30, 1926 (Inclusive)

		The second secon				
	Monday	TUESDAY	Wednesday	THURSDAY	FRIDAY	SATURDAY
9-11.30	Section Work in M	Iedicine, Surgery, Ob	Section Work in Medicine, Surgery, Obstetrics, Pediatrics, Dermatology, Genito-Urinary Surgery, Gynaecology, Laryngology, Neurology, Ophthalmology, Orthopaedic Surgery, Otology, Psychiatry, Syphilology.	ermatology, Genito-lic Surgery, Otology,	Urinary Surgery, Gyn Psychiatry, Syphilolo	aecology, Laryng-
11.30-12						
12-1	Medicine Thorndike Bldg, B. C. H.	Obstetrics Bldg. A, Amphitheatre	Surgery P. B. B. H.	Oct. 1-Nov. 19 (8 wks.) Syphilology M.G.H. Dec. 3-Jan. 28 (7 wks.) Laryngology Bldg. A, Amphith.	Pediatrics Amphitheatre C.H.	Surgery M.G.H. Out-Patient Amphitheatre (Every week
64 63	Psychiatry Assembly Hall, Psychopathic Hofp.		Sept. 30-Nov. 18 (8 wks.) Otology Nov. 25-Jan. 27 (8 wks.) Ophthalmology Bldg. A, Amphith.		Oct. 2-Dec. 18 (12 wks.) Orthopaedic Surgery Amphitheatre C.H. Jan. 6-Jan. 29 Hygiene Bldg. E, Amphith.	
3-4	Surgery P. B. B. H.		Medicine P. B. B. H.		Clinical-Pathological Conferences	
4-5	Pediatrics (Oct. 5-Nov. 2) Bldg. A, Amphith.		Dermatology Bldg. A, Amphith.		P.B.B.H. M. G. H.†	

† Alternate weeks. First meeting M. G. H.

THIRD YEAR—Second Half-Year

Feb. 1-May 29, 1926 (Inclusive)

	Monday	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-11.30	Section Work in N	k in Medicine, Surgery, Obstetrics, Pediatrics, Dermatology, Genito-Urinary Surgery, Gynaecology, Laryngology, Neurology, Ophthalmology, Orthopaedic Surgery, Otology, Psychiatry, Syphilology.	stetrics, Pediatrics, I	Dermatology, Genito- lic Surgery, Otology,	Urinary Surgery, Gyn Psychiatry, Syphilolo	aecology, Laryng-
11.30-12						
12-1	Medicine Thorndike Bldg. B. C. H.	Obstetrics Bldg. A, Amphith.	Surgery P. B. B. H.	Feb. 4-Mar. 25 (8 wks.) Medicine, M.C.H. Apr. 1-May 27 (8 wks.) Neurology, M.G.H.	Medicine M. G. H.	Surgery M.G.H. Out-Patient Amphitheatre (Every weck beginning Feb. 6)
2-3	Hygiene Bldg. E, Amphitheatre		Feb. 3-Mar. 24 (8 wks.) Gynaecology Mar. 31-May 26 (8 wks.) Legal Medicine Bldg. A, Amphith.		Hygiene Bldg. E, Amphitheatre	
3-4	Surgery P. B. B. H.		J. Colinia		Clinical-Pathological Conferences	
4-5			P. B. B. H.		P. B. B. H. or M. G. H. †	

† Alternate weeks. First meeting M. G. H.

#### FOURTH-YEAR PROGRAMME

(Each block represents one month. Order of subjects variable.)

	1	2	3	4
Morning	Medicine	Medicine 1, 2, or 3 or	Medicine	Surgery 1, 2, or 3
AFTERNOON	1, 2, or 3	Surgery 1, 2, or 3	4, 5, or 6	1, 2, or 3
	5	6	7	8
Morning				
MORNING	Surgery 1, 2, or 3	Obstetrics 1	Pediatrics 1	Elective

A student may gain time for additional elective courses for required courses of the fourth year, by anticipating the required work of the year during the vacation period between the third and fourth years. In very exceptional cases a student will be permitted to substitute elective for required courses without anticipating the required work during the summer.

#### DEGREES

On June 18, 1925, Degrees were conferred as follows:-

#### M.D.

Arnulfo Arias, s.B. (Univ. of Chicago) 1923.

Robert Reed Baldridge, A.B. (Brown Univ.) 1921.

James Marvin Baty, A.B. (Birmingham Southern Coll.) 1920.

James Roeder Bell, A.B. 1921.

Montgomery Blair, Jr.

Harold LaVerne Blosser, A.B. (Grinnell Coll.) 1919.

Warren Isaac Brubaker, s.B. (Albright Coll.) 1921.

Richard Steele Buker, s.B. (Bates Coll.) 1921.

John Robert Campbell, Jr., s.B. (Princeton Univ.) 1921.

James Clayton Carver, A.B. (Cornell Univ.) 1922.

Frederick William Celce, A.B. (Dartmouth Coll.) 1919.

Donald Austin Charnock, A.B. (Univ. of California) 1921.

Stewart Hilton Clifford.

Albert Williams Cloud, A.B. (Indiana Univ.) 1922.

Robert Louis Cook, A.B. 1922.

William Vernon Cox, A.B. (Univ. of Michigan) 1921.

Ralph Milton Crumrine, A.B. (Cornell Univ.) 1910.

Hiram Meyrick Currey, s.B. (Oregon Agricultural Coll.) 1915, A.B. (Univ. of Missouri) 1921, A.M. (ibid.) 1923.

Walter Stanley Curtis.

Herbert Henry Darling, A.B. (Stanford Univ.) 1923.

Donald Gordon Davidson, s.B. (Massachusetts Agricultural Coll.) 1920.

Max Davis, A.B. 1922 (1921).

Theodore Read Dayton, A.B. (Amherst Coll.) 1916.

Porter Stevens Dickinson, A.B. (Amherst Coll.) 1921.

Horace Leonard Dormody, A.B. (Univ. of California) 1921.

Laurence Blun Dunn, A.B. (Princeton Univ.) 1920.

William Joseph Paul Dye, A.B. (Univ. of Wisconsin) 1922.

Emil Albert Falk, A.B. (Univ. of Minnesota) 1921.

Churchill Charles Franklin, A.B. (Rutgers Coll.) 1921.

Joseph Franklin, A.B. 1921.

Wen Shou Fu.

David Garrison Ghrist, A.B. (Stanford Univ.) 1921.

James Alexander Greene.

Ralph Gregg, s.B. (Univ. of Washington) 1921.

Erel Linguiti Guidone, s.B. (Trinity Coll.) 1920.

Herschel Heinz, s.B. 1921.

Frederick Augustus Hemsath, s.B. (Muhlenberg Coll.) 1915.

Jacob Easton Holzman, A.B. (Reed Coll.) 1921.

Philip Jay Howard, s.B. (Wesleyan Univ.) 1921.

Henry William Hudson, Jr.

Homer Wheeler Humiston, s.B. (Univ. of Illinois) 1923.

Franc Douglas Ingraham.

John Lewis Jones, S.B. (Utah Agricultural Coll.) 1915.

Arthur Cheever Jordan, s.B. (Boston Univ.) 1921.

Harry Norton Kelley, A.B. (Clark Univ.) 1921.

John Francis Kellogg, Jr., A.B. (Univ. of Rochester) 1921.

Richard Bruce King, A.B. (Princeton Univ.) 1921.

Robert Joseph Kirkwood.

Ernest Idé Kyle.

James Reginald Linton, s.B. (Univ. of Washington) 1921.

Robert Ritchie Linton, s.B. (Univ. of Washington) 1921.

David Leo Lionberger, A.B. (Univ. of Nebraska) 1921.

Charles Lovejoy Lumb, A.B. (Amherst Coll.) 1921.

Raymond Anthony McCarty, A.B. (Boston Coll.) 1921.

Mack McConkey, s.B. (Mt. Union Coll.) 1921.

Philip Henry McCrum, s.B. (Bowdoin Coll.) 1921.

Lawrence Chester McHenry, A.B. (De Pauw Univ.) 1923.

Philip Garretson McLellan, A.B. (Bowdoin Coll.) 1921.

John Percival Macnie, A.B. (Yale Univ.) 1921.

Frank Paul Massaniso, PH.B. (Brown Univ.) 1921.

Joseph Carey Massee, s.B. (John B. Stetson Univ.) 1922.

George Elliott May, A.B. (Hamilton Coll.) 1921.

Erwin Curtis Miller, s.B. (Dartmouth Coll.) 1920.

Ralph Kennedy Miller, A.B. (Univ. of Michigan) 1921.

Orland Franklin Montgomery, A.B. (Stanford Univ.) 1910.

Harold Frost Morrill, A.B. (Bowdoin Coll.) 1921.

James Clifford Murdoch, s.B. (Univ. of Pittsburgh) 1921.

Norman Bernard Murphy.

Roscoe Wallace Myers, A.B. (Clark Univ.) 1921.

Paul Frederick Orr, s.B. (Oklahoma State Coll.) 1915, s.M. (Iowa State Coll.) 1918.

Robert Sterling Palmer, A.B. (Princeton Univ.) 1920.

Floyd Roswell Parks, A.B. (Cornell Univ.) 1921.

Maurice Mitchell Pike, A.B. (Brown Univ.) 1921.

John Howard Powers, A.B. (Bates Coll.) 1919, A.B. (Oxford Univ.) 1922.

Herbert Flake Poyner, A.B. (Univ. of Texas) 1920.

Joel Jay Pressman.

John George Raymer, A.B. (Wesleyan Univ.) 1921.

Theodore Reichbaum, s.B. (Lafayette Coll.) 1920.

Morgan John Rhees, A.B. (Univ. of Rochester) 1921.

Sumner Mead Roberts, A.B. 1921.

Robert Page Rogers, A.B. 1921.

Harry Austryn Savitz, s.B. 1921.

Robert Jacob Schneck.

Sutherland Eric Rognvald Simpson, A.B. (Cornell Univ.) 1921.

Lawrence Wells Sloan.

Reginald Hammerick Smithwick, s.B. (Massachusetts Inst. of Technology) 1921.

George Spyrounes Speare.

Alexander Albert Stone.

James MacLaren Strang, s.B. (Massachusetts Inst. of Technology) 1918.

Charles Louis Swan, Jr., A.B. 1921.

Leo Maurice Taran, A.B. 1921 (1920).

Joseph W. Tiede, A.B. (Univ. of Iowa) 1921.

Wilmot Charles Townsend, A.B. (Amherst Coll.) 1920.

Francis Patton Twinem, A.B. (Wooster Coll.) 1917, A.M. (Princeton Univ.) 1919.

Dudley Pomp Walker, A.B. (Yale Univ.) 1921.

Robert Pan-Kuei Wang.

Charles Russell Weaver, A.B. (Pomona Coll.) 1921.

Francis Lee Weille, s.B. (Univ. of Virginia) 1921.

Peter Francis Weiss, A.B. (Lehigh Univ.) 1921.

Jerome Andrew Whitney, A.B. (Holy Cross Coll.) 1921.

Blake Colburn Wilbur, A.B. (Stanford Univ.) 1922.

Gustavus Adolphus Williamson, Jr., s.B. (Univ. of South Carolina) 1921.

Ko Nien Yang, s.B. (Univ. of Chicago) 1921.

#### M.D. cum Laude

John Ignatius Bradley, A.B. (Georgetown Univ.) 1920.

Travis Pollard Burroughs, A.B. (Univ. of Missouri) 1916.

Richard Bartley Cattell, A.B. (Mt. Union Coll.) 1921.

John Wesley Cline, Jr., A.B. (Univ. of California) 1921.

Edward Patrick Dunn.

Henry Hardwick Faxon, A.B. 1921.

James Roy Fulton.

Noel Paul Hudson, A.B. (James Millikin Univ.) 1917, PH.D. (Univ. of Chicago) 1923.

Stephen James Maddock, A.B. (Univ. of Cincinnati) 1919, A.M. (ibid.) 1923.

Neil Millikin, A.B. (Johns Hopkins Univ.) 1921.

Howard Alexander Patterson, A.B. (Univ. of North Carolina) 1921.

Herman Elwyn Pearse, Jr., A.B. (Univ. of Missouri) 1921.

Millard Samuel Rosenblatt, A.B. (Stanford Univ.) 1922.

George Murdoch Saunders, A.B. (Univ. of Wisconsin) 1923.

Lawrence Henry Sophian, A.B. (Coll. of the City of New York) 1921.

Clarence Alvah Traver, A.B. (Colgate Univ.) 1921.

William Niles Wishard, Jr., A.B. (Williams Coll.) 1921.

#### M.D. Magna cum Laude

Edward Lawrence Peirson, Jr., s.B. 1921. William Thomas Salter, A.B. 1922.

## STUDENTS

## FOURTH CLASS

Allen, Ellery George, s.B. (Colgate Univ.) 1922,	Clyde, N. Y.
§Allen, Farrow Robert, A.B. (Harvard Coll.) 1923, ‡Angell, Wilmer Webster, B.S. (Dartmouth Coll.) 1923,	Chattanooga, Tenn. Randolph, Vermont
Anthony, Marc, A.B. 1922,	Spokane, Wash.
Augustine, Aristocles George, A.B. (Anatolia Coll.) 1915	Boston
§Ayman, David (Harvard Coll.),	Roxbury
Badger, Theodore Learnard, A.B. (Yale Univ.) 1922,	Chestnut Hill
Baisley, Charles Reuben, A.B. 1922, Balfour, Marshall Coulter, S.B. (Mass. Institute of	Beverly
Technology) 1918,	Marlboro
Barr, Joseph Seaton, s.B. (Wooster Coll.) 1922,	Canton, O.
Beetham, William Parkes, A.B. (Ohio Wesleyan Univ.)	
1922,	Bellaire, O.
‡Bishop, Lloyd Willard (Bowdoin Coll.),	Brunswick, Me.
Boeck, William Charles, s.B. (Carleton Coll.) 1915,	
A.M. (Univ. of California) 1916, PH.D. (ibid.) 1918,	Olivia, Minn.
Booth, George, s.B. (Allegheny Coll.) 1922,	Pittsburgh, Pa.
‡Boylen, Ernest Lloyd, A.B. (Univ. of Oregon) 1923,	Pendleton, Ore.
Bragger, James Keenan, s.B. 1922, Branch John Luther + B. (Hein of Alchama) 1922	Chestnut Hill
Branch, John Luther, A.B. (Univ. of Alabama) 1922, ‡Bridge, Edward Mervin (Northwestern Univ.),	Montgomery, Ala. Hazardville, Conn.
Briggs, Henry, A.B. 1918,	Cambridge
Brooke, Percy Albert (Harvard Coll. and Harvard	
Dental School),	Bath, England
Brown, Harrison Cabot, A.B. 1921,	San Francisco, Cal.
Bruckman, Fred Sweet, A.B. (Univ. of California)	· 1
1921,	Los Angeles, Cal.
†Bryan, Samuel (Univ. of Wisconsin)	Memphis, Tenn.
Buck, Burdette Jay, A.B. (Colgate Univ.) 1922,	Ulysses, Pa.
Bumpus, Laurin Dudley, PH.B. (Brown Univ.) 1922,	Duxbury
Burrage, Walter Swan, A.B. 1918,	Brookline
Butler, Allan Macy, LITT.B. (Princeton Univ.) 1916, Butler, Henry Rutherford, Jr., A.B. (Atlanta Univ.)	Windsor, Vt.
1922,	Atlanta, Ga.
Cobb, Clement Biddle Penrose, A.B. (Williams Coll.)	ritianta, Ga.
1922,	New York, N.Y.
Collins, Wylie Louis, A.B. (Acadia Univ.) 1921, A.M.	
(ibid.) 1922,	Port Williams, N. S.
Cooksey, Warren B., A.B. (Univ. of Kansas) 1922,	Wakita, Okla.
Cooney, Edward Anthony, PH.B. (Brown Univ.) 1922,	Providence, R. I.
Cooper, Linn Fenimore, A.B. (Yale Univ.) 1921,	Cooperstown, N. Y.
Coyne, John Anthony (Bowdoin Coll. and Colby Coll.)	
‡Crump, George Curtis, B.S. (Dartmouth Coll.) 1923,	New York, N. Y.

<sup>†</sup> Admitted on basis of two years' college work.

<sup>‡</sup> Admitted on basis of three years' college work.

<sup>§</sup> Admitted on basis of four years' college work (in several cases work for degree completed).

Dean, Abbott Meston, A.B. 1922, Council Bluffs, Ia. Deery, Edwin Marshall, s.B. (Rhode Island State Coll.) 1921. Jamaica Plain §Doege, Paul Frederick (Univ. of Wisconsin and Western Marshfield, Wis. Reserve Univ.), Dunn, Louis Bennett, A.B. 1922, Revere Ellis, Laurence Brewster, A.B. 1922, Newton Centre Engel, Gilson Colby, A.B. (Johns Hopkins Univ.) 1922, Baltimore, Md. Finland, Maxwell, s.B. 1922, Boston Fletcher, Russell, A.B. (Univ. of California) 1922, Reno, Nev. Forkner, Claude Ellis, A.B. (Univ. of California) 1922, A.м. (ibid.) 1923, Watsonville, Cal. Gallup, Henry Ezra, Ph.B. (Brown Univ.) 1921, Danielson, Conn. Gates, Edwin Wilder, s.B. (Colby Coll.) 1922, Keene, N. H. Chaumont, N. Y. George, Wendell Dow, A.B. (Hamilton Coll.) 1922, German, William John, A.B. (Univ. of California) 1922, A.м. (ibid.) 1923, Ocean Park, Cal. Gilbert, Henry Raymond, s.B. (Wesleyan Univ.) 1922, Bethel, Conn. Gilbert, Reuben, s.B. (Coll. of the City of New York) New York, N. Y. 1922, Giura, Arcadie, A.B. (*Brown Univ.*) 1921, A.M. (*ibid.*) 1921, New Bedford Gray, Gerald Harry, A.B. (Univ. of California) 1922, Oakland, Cal. La Crosse, Wis. ‡Gundersen, Trygve (Univ. of Wisconsin), Guzzetta, Denis Philip, A.B. 1922, Milwaukee, Wis. ‡Haight, L. Cameron, A.B. (Univ. of California) 1923, Stockton, Cal. ‡Hannon, Theodore R., A.B. (Univ. of Wisconsin) 1923, Sturgeon Bay, Wis. A.м. (ibid.) 1924, Hatch, Wallace Everett, s.B. (New Hampshire State Coll.) 1922, Dayton, Me. Headland, Courtenay Inglis, s.B. (Mt. Union Coll.) 1922, Alliance, O. Heath, Clark Wright, A.B. 1922, Buffalo, N. Y. Hertzberg, Reinhold Frederick, A.B. (Dartmouth Coll.) 1923, Stamford, Conn. Hoffman, Donald Clare, A.B. (DePauw Univ.) 1922, Anderson, Ind. Hopwood, Arthur Thomas, A.B. (West Virginia Univ.) Mannington, W. Va. 1922, Hudson, George Edwin (Mt. Allison Univ.), St. John's, Newfoundland ‡Huggins, Harrison Douglas (Univ. of Oregon), Portland, Ore. Johnson, Carl Edward, A.B. (Stanford Univ.) 1922, Berkeley, Cal. Justice, William Shipp, A.B. (Univ. of North Carolina) Chapel Hill, N. C. 1922, Kiefer, Everett Duane, A.B. (Univ. of Kansas) 1921, Lawrence, Kans. Kingsley, Donaldson Wright, A.B. (Cornell Univ.) 1922, Minden, Neb. Kirkby, Cyril Streator, s.B. (Trinity Coll.) 1922, Essex Fells, N. J. Knowlton, Wilson Warner, s.B. (Bowdoin Coll.) 1922, No. Woodstock, N.H. Lanchner, Abraham Joseph, s.B. (Coll. of the City of New York) 1921, A.M. (Harvard Univ.) 1922, New York, N. Y. Lanson, Freeman Arthur, A.B. (Univ. of Michigan) 1922, Tionesta, Pa.

‡ Admitted on basis of three years' college work.

<sup>§</sup> Admitted on basis of four years' college work (in several cases work for degree completed).

Larkey, Jefferson, A.B. (Univ. of California) 1922,	Oakland, Cal.
	P. E. I., Canada
Larrabee, John Whitfield, A.B. 1922,	Louisville, Ky.
†Leavell, Hugh R. (Univ. of Virginia),	
Lesses, Mark Falcon, A.B. 1922,	Salem
Lewis, William Hall, Jr., A.B. 1922,	Donora, Pa.
Linnehan, Edward Henry, A.B. (Holy Cross Coll.) 1917,	
A.M. (ibid.) 1920,	Pittsfield
Littlefield, Frank Browning, PH.B. (Brown Univ.) 1922,	Natick, R. I.
Long, Wendell McLean, A.B. (Univ. of Oklahoma) 1922	
Ok	klahoma City, Okla.
McDonald, John Leonard, A.B. (St. Francis Xavier	idilollid City, Ollid.
	Iona, N. S.
Coll.) 1921,	10na, IV. S.
McKee, Frederick William Haskell, A.B. (Yale Univ.)	NT NT 1 NT NT
1922,	New York, N. Y.
McKoan, John William, Jr., A.B. (Dartmouth Coll.)	
1922,	Worcester
McNeil, Donald, A.B. (St. Francis Xavier Coll.) 1918,	
A.M. (Catholic Univ. of America) 1922,	Sydney, N. S.
McSweeney, Daniel Joseph, A.B. (Boston Coll.) 1922,	Dorchester
Mallory, George Kenneth, A.B. 1922,	Brookline
Miller Wellers Jorks A.B. (Stanford Univ.) 1000	Los Angeles, Cal.
Miller, Wallace Jenks, A.B. (Stanford Univ.) 1922,	
Nelson, Roger Waldemar, Ph.B. (Brown Univ.) 1922,	Quincy
Neptune, Edgar McClain, A.B. 1922,	Loudonville, O.
Nowak, Stanley John Gregory, A.B. 1922,	Chicopee Falls
‡Olef, Isadore (Boston Univ. and Mass. Institute of	
Technology),	Boston
‡Peale, Robert Clifford (Ohio Wesleyan Univ.),	Findlay, O.
Pelletier, Valmore Alexis, A.B. (Clark Univ.) 1922,	Ävon
‡Petrone, Francis Joseph, s.B. (Tufts Coll.) 1923,	Riverside, Conn.
Porter, John McGill, A.B. (Univ. of Kansas) 1921,	Topeka, Kans.
Potts, William Henry, Jr., A.B. (Univ. of Texas)	Topcha, Rans.
	Dallas, Texas
1922,	
Pratt, Theodore Cary, A.B. 1922,	Richmond, Va.
§Restall, Malcolm Morris (Harvard Coll.),	Swampscott
Rewbridge, Allan George, s.B. (Univ. of Pittsburgh)	
1922,	Pittsburgh, Pa.
Reynolds, Robert Gardner, s.B. (Trinity Coll.) 1922,	Glastonbury, Conn.
†Rich, Clark Lowe, A.B. (Univ. of Utah) 1924,	Ogden, Utah
Riddle, Matthew Casey, A.B. (Reed Coll.) 1917, A.M.	8 ,
(Univ. of Oregon) 1924,	Grants Pass, Ore.
Rodman, Isaac, A.B. 1922,	Malden
\$Rooney, James Stewart (Univ. of California)	Sacramento, Cal.
Ruder, Carl L., s.B. (Gettysburg Coll.) 1922,	Mt. Pleasant, Pa.
Sanford, Shelton Palmer, A.B. (Univ. of Georgia) 1916,	4.1
A.M. (ibid.) 1917,	Athens, Ga.
Savage, Raymond James, Ph.B. (Georgetown Univ.)	
1922,	Denver, Colo.
Schlesinger, Monroe Jacob, s.B. (Coll. of the City of	
New York) 1912, PH.D. (Harvard Univ.) 1920,	Boston
(22.00)	

† Admitted on basis of two years' college work.

<sup>‡</sup> Admitted on basis of three years' college work (in several cases work for degree completed).

<sup>§</sup> Admitted on basis of four years' college work (in several cases work for degree completed).

Schmitz, Henry Lenzen, B.S. (Univ. of Chicago) 1920, M.S. (Univ. of Wisconsin) 1922, PH.D. (ibid.) 1924, Chicago, Ill. Scott, Ernest Gerard, B.S. (Univ. of Virginia) 1922, Lynchburg, Va. Seelye, Walter Bale, s.B. (*Univ. of Washington*) 1922, Seattle, Wash. Smith, George Van Siclen, A.B. 1922 (1921), Richmond Hill, L. I., N. Y. ‡Steidl, John Henry (Univ. of Illinois and Univ. of Michigan), Paris, Ill. Stern, David, A.B. 1922, Boston Stetson, Richard Pratt, A.B. (Dartmouth Coll.) 1922, Sharon Stevens, Amos Henry, S.B. (Mass. Institute of Technology) 1922, Arlington Heights Strieder, John William, S.B. (Mass. Institute of Technology) 1922, Lexington Sutherland, Francis Alexander, A.B. (Washington and Lee Univ.) 1922, Pulaski, Va. †Sweet, Richard Harwood (Columbia Univ.), Belmont Talamo, Haskell, A.B. (Clark Univ.) 1916, Worcester Thurmon, Francis Mozart, s.B. (Illinois Coll.), 1922 Jacksonville, Ill. Turner, Kenneth Burlen, A.B. (Hamilton Coll.) 1922, Medina, N. Y. Urmy, Thomas Van Orden, s.B. (Princeton Univ.) 1921. Bellevue, Pa. Valentino, Angelo George, A.B. (Brown Univ.) 1922, Providence, R. I. Wakefield, John Myron, A.B. (Univ. of California) 1917, D.D.S. (*ibid.*) 1921, Waterman, Cal. Wellman, Harvey Elijah, A.B. (Williams Coll.) 1914, Providence, R. I. Wheeler, Ralph Emerson, A.B. 1922, Boston Wicks, Walter Wood, A.B. (Yale Univ.) 1921, Scotland, S. D. Wilson, Clinton A, A.B. (Reed Coll.) 1922, Portland, Ore. Wilson, James Leroy, A.B. (Colby Coll.) 1920, So. Paris, Me. Winnard, Norton Goodman, A.B. (Univ. of Oregon) 1922, Eugene, Ore.

#### THIRD CLASS

Allen, Maurice Joseph, A.B. (St. Francis Xavier Coll.) 1916, Brooklyn, N. Y. Attenberg, Samuel Ernest, s.B. (Tufts Coll.) 1923, Chelsea Ballantyne, George William (Univ. of Nebraska), Norfolk, Neb. Barnett, Charles Wentworth, A.B. (Stanford Univ.) 1923, Santa Rosa, Cal. Berryhill, Walter Reece, A.B. (Univ. of North Carolina) 1921, Charlotte, N. C. Brown, Samuel, s.B. 1923, Fall River Burke, John William, A.B. 1923, Wakefield †Caradonna, Henry (Clark Univ.), Worcester Carr, Frank Benjamin, A.B. (Williams Coll.) 1923, Holden Carr, Jesse Lawrence, s.B. (Univ. of California) 1923, Porterville, Cal. Chute, Richard, A.B. 1922, Boston Coolidge, Thomas, A.B. 1923, Concord Cooper, Kemp Goodloe (Univ. of Colorado), Denver Corrigan, Sylvester Edward, A.B. (Holy Cross Coll.) 1923, New Bedford Danielian, Arthur Charles, A.B. (Univ. of Southern California) 1917, Fresno, Cal.

† Admitted on basis of two years' college work.

‡ Admitted on basis of three years' college work.

Siam

Roxbury

Boston

Melrose

Chelsea

Laramie, Wyoming DeKay, Emory Willett, A.B. (Univ. of Wyoming) 1923, New York, N. Y. d'Elseaux, Frank Christian, s.B. 1923, New York, N. Y. Diamond, Louis Klein, A.B. 1923, †Drapiewski, Joseph Albin (Univ. of Chicago), Nanticoke, Pa. Dunn, William Harold, A.B. (Univ. of Rochester) 1923, Rochester, N.Y. Durno, Edwin Russell, s.B. (Univ. of Oregon) 1923, Eugene, Ore. Easley, Frank Browne, A.B. (Mercer Univ.) 1923, Dalton, Ga. Eckels, John Clendenin, Jr., A.B. (Park Coll.) 1922, Elias, Herbert Leonard, A.B. (Washington and Lee Univ.) 1923, Rockville Center, N. Y. Elliott, Simeon, A.B. 1922, Epstein, Samuel Hyman, A.B. (Amherst Coll.) 1923, Roxbury Evans, Joseph Edward, A.B. (Univ. of Tennessee) 1922, Lewisburg, Tenn. Farber, Sidney, B.S. (Univ. of Buffalo) 1923, Buffalo, N.Y. Farber, William Polk, A.B. (Univ. of California) 1922, A.м. (ibid.) 1923, Berkeley, Cal. Fay, John Howard, A.B. 1921, Ferrini, Peter, A.B. (Amherst Coll.) 1923, Brockton Fish, James Ernest, A.B. 1923, FitzHugh, Greene Smith, B.S. (Univ. of Illinois) 1921, Spottsville, Ky. Prescott, Ariz. Flinn, Robert Stanley, A.B. 1923, Flynn, John Molloy, A.B. (Boston Coll.) 1923, Somerville Freedman, Harold Jacob, s.B. 1923, Berlin, N. H. Fuller, Henry, s.B. (Univ. of Florida) 1923, Clearwater, Fla. Fulton, John Farquhar, s.B. 1921, St. Paul, Minn. Galbraith, Bayard Lloyd, s.B. (Washington and Jefferson Coll.) 1923, Fincastle, Va. George, Henry Louis, Jr., A.B. (Hamilton Coll.) 1923, Chaumont, N. Y. Jersey City, N. J. Ghee, Euclid Peter, A.B. 1923, Golden, Sherman Elias, A.B. (Clark Univ.) 1923, North Andover Goodman, LeRoy, A.B. (Univ. of Kansas) 1923, Kansas City, Mo. Gordon, Arnold Milton, A.B. 1923, Roxbury Graeser, James Bernard, A.B. Univ. of California) 1923, Holtville, Cal. Gray, Cornell Gilbert, s.B. (Middlebury Coll.) 1923, Shurhan, N. Y. Gray, Howard Kramer, s.B. (Princeton Univ.) 1923, Omaha, Neb. Gregory, Kalei Kaonohi, PH.B. (Brown Univ.) 1923, Kailua, Hawaii Hall, Arthur Fletcher, Jr., s.B. (Yale Univ.) 1923, Fort Wayne, Ind. Hanflig, Samuel Sunny, A.B. 1922, Hanley, Henry Joseph, PH.B. (Brown Univ.) 1923, Providence, R. I. Hanson, James Fletcher, A.B. (Mercer Univ.) 1922, Macon, Georgia Hardin, Parker Calhoun, A.B. (Princeton Univ.) 1922, Ithaca, N. Y. Hathaway, Clifford Sherman, Ph.B. (Brown Univ.) 1915. Peace Dale, R. I. Haywood, Charles Lewis, Jr., A.B. (Univ. of Virginia) 1923, A.M. (ibid.) 1923, Durham, N. C. Hebb, Edwin Gordon, A.B. (Bowdoin Coll.) 1923, Bridgton, Me. Heeks, William Garland, A.B. (Brown Univ.) 1923, Concord Junction Hershenson, Bert Barnet, s.B. (Mass. Institute of Technology) 1922, Roxbury, Mass. Herzog, Robert Simon, A.B. (Univ. of Colorado) 1923, Chicago, Ill. Horrocks, Gilles Edward, A.B. (Univ. of Missouri) 1923, Mystic, Ia.

<sup>†</sup> Admitted on basis of two years' college work.

Houck, George Hamilton, A.B. (Univ. of Oregon) 1923, Roseburg, Ore.
Hunt, Howard Beeman, A.B. (Univ. of California) 1922, Potsdam, N. Y.
Hurd, Archer Louis, A.B. (Wesleyan Univ.) 1922, Somers, Conn.
†Hyde, Robert Dwight (Harvard Coll.), Riverside, Cal.
Hyde, Theodore Lincoln, s.B. (Univ. of Minnesota, 1925, Pierre, S. D.
Johnson, Allen Sheppard, A.B. (Yale Univ.) 1922, New Haven, Conn.
Johnston, Reginald Fulton (Bowdoin Coll.), Brunswick, Me.
Kaplan, Abraham, s.B. 1923, Brooklyn, N. Y.
Keefe, Thomas Leo, s.B. (Notre Dame Univ.) 1922, Anderson, Ind.
Kickham, Charles Joseph, A.B. (Holy Cross Coll.) 1923, Roxbury
Kurtz, Chester Mott, s.B. (Univ. of Wisconsin) 1921, Milwaukee, Wis.
Ladd, Dwight John, A.B. (Univ. of Illinois) 1923, Shabbona, Ill.
Laverty, Lucius Frank, Jr., A.B. (Univ. of Michigan)
1920, Bay City, Mich.
Leech, John Verner, s.B. (Univ. of Pittsburgh) 1922, Greensburg, Pa.
Lerman, Jacob, A.B. 1923, Chelsea
Lincoln, Noah Stanley, A.B. (Wesleyan Univ.) 1923. Schenectady, N. Y.
Loiacono, Anthony Joseph, PH.B. (Brown Univ.) 1923, New London, Conn.
MacCready, William Harold, A.B. (Acadia Coll.) 1921,
St. Stephen, New Brunswick, Can.
McMillan, Carl Henry, A.B. (Ohio State Univ.) 1921, LaGrange, O.
Mahan, Alfred Catlin, A.B. (Hiram College) 1923, Ravenna, O.
Major, Samuel Glenn, s.B. (Univ. of Pittsburgh) 1923, Pittsburgh, Pa
Marble, Alexander, A.B. (Univ. of Kansas) 1922, Troy, Kans.
Markley, Lloyd Merrill, A.B. (State Univ. of Iowa) 1923, Charles City, Ia.
Marlow, Frank William, Jr., s.B. (Hamilton Coll.) 1923, Syracuse, N. Y.
Medearis, Donald Norman, A.B. (Univ. of Kansas) 1922, Kansas City, Kans.
Meehan, James Joseph, A.B. (Boston Coll.) 1922, Dorchester
Middleton, Richard Palmer, A.B. (Univ. of Utah) 1925, Salt Lake City, Utah
Miller, Franklin R, s.B. (Illinois Wesleyan) 1923, Normal, Ill.
Nelson, Herbert Bristol, A.B. (Colgate Univ.) 1923, Murfreesboro, Tenn.
Noetling, Paul Renwick, A.B. (Univ. of Rochester) 1923, Williamson, N. Y.
Norton, Hermon, A.B. (Wesleyan Univ.) 1923, Mt. Hermon
Ormond, Alfred Curtis, Jr., A.B. (Davidson Coll.) 1922, Talladega, Ala.
Ostrom, William Charmers, A.B. (Union Coll.) 1923, Schenectady, N. Y.
‡Palermo, Alfonso Albert (Colgate Univ.), Summit, N. J.
Pallo, John, A.B., 1923, Westfield
Parsons, Charles Langdon, A.B. (Yale Univ.) 1921, Milton
Patterson, Frederic Arthur, A.B. (Univ. of New Bruns-
wick) 1920, Greys Mills, New Brunswick, Can.
Paul, John Harland, Ph.B. (Yale Univ.) 1923, St. Louis, Mo.
Paull, Roscoe Alton, A.B. (Univ. of Wisconsin) 1924, Ridgeway, Wis.
Pennington, Harry Freeman, s.B. (Rutgers Coll.) 1923,
New Brunswick, N. J.
Persons, Elbert Lapsley, A.B. (Ohio State Univ.) 1923, McAfee, Ky.
Roach, John Stover, s.B. (Allegheny Coll.) 1923, Hartford, Conn.
Robinson, Donald Edward, s.B. (Princeton Univ.) 1923, Montclair, N. J.
Ronan, Arthur Thomas, A.B. (Boston Coll.) 1923, Salem
Roscoe, Alfred Mortimer, s.B. (Middlebury Coll.) 1923, New Haven, Vt.
Rouillard, Francis, A.B. 1923, Chicopee
4 A lastical and Lastic of Lastic and A last

<sup>†</sup> Admitted on basis of two years' college work,

<sup>‡</sup> Admitted on basis of three years' college work (in severa cases work for degree completed).

Rowlett, Jack, A.B. (Univ. of Missouri) 1924, S.B. (ibid.)					
1925,	Maryville, Mo.				
Sacchetti, James Vincent, A.B. 1923,	East Boston				
§Sagebiel, James Lambert (Denison Univ.),	Dayton, O.				
Saver, Herbert Spencer, A.B. 1923,	Boston				
Scorpio, Angelo, s.B. (Rhode Island State Coll.) 1922,					
	Providence, R. I.				
Scudder, John, s.B. (Rutgers Coll.) 1923, Ti	indivanam, India				
Sears, John Berell, A.B. 1923,	Norwich, Conn.				
‡Seegal, David (Harvard Coll.),	Dorchester				
Shane, James Howard, A.B. (Univ. of Texas) 1923,	Marshall, Tex.				
§Sharp, George Stevenson (Harvard Coll.),	Pasadena, Cal.				
Sherwood, David Winne, s.B. (Union Coll.) 1921, A.M.					
(Columbia Univ.) 1923,	llston Spa, N. Y.				
Shouse, Samuel Straughan, A.B. (Univ. of Kentucky)					
1923,	Lexington, Ky.				
Simpson, Oscar Salisbury, A.B. (Univ. of Maine) 1923,	Marlboro				
Smith, Charles Ross, A.B. (Univ. of New Brunswick)					
1917, Moncton, New	Brunswick, Can.				
Snowe, Aubrey Emmons, s.B. (Bates Coll.) 1919,	Litchfield, Me.				
Starkey, Archie Lemuel, s.B. (West Virginia Univ.) 1925,	Wallace, W. Va.				
Steen, Reginald Reed, s.B. (Univ. of Wisconsin) 1925, W.	Bloomfield, N.Y.				
Stratton, James Malcolm, A.B. (Univ. of California)					
1924,	Berkeley, Cal.				
Sullivan, Albert Joseph, s.B. (Catholic Univ. of America)					
1922,	Northampton				
Sycamore, Leslie Kenneth, B.S. (Dartmouth Coll.) 1924,	Holyoke				
Tarter, Clyde Sidney, s.B. (Univ. of Washington) 1923,	Seattle, Wash.				
Taylor, Arthur Chandler, A.B. (Univ. of Wisconsin)	3.6 11 3371				
1921, A.M. ( <i>ibid.</i> ) 1924,	Madison, Wis.				
§Taylor, Edward Hanlin (Dartmouth Coll., Indiana	NT TO 10 1				
Univ., and Brown Univ.),	New Bedford				
Tolman, Myer Maurice, A.B. 1923,	Chelsea				
Troppoli, Daniel Vincent, A.B. (Brown Univ.) 1923,	D '1 D T				
A.M. (ibid.) 1923,	Providence, R. I.				
Wallace, Richard Hendrickson, A.B. (Princeton Univ.) 199					
Whiteless James Cling to (Field Hein) 1001	New Castle, Pa.				
Whitaker, James Cling, A.B. (Fisk Univ.) 1921, Whitaket John Wilhum & B. (Hair of Misseyri) 1925	Charleston, S. C.				
Whitsett, John Wilbur, A.B. (Univ. of Missouri) 1925,	Odessa, Mo.				
Wilkinson, Robert Shaw, Jr., A.B. (Dartmouth Coll.)	Omorradour C C				
1924,	Orangeburg, S. C.				
SECOND CLASS					
	II. 16 1 0				
Abramson, Daniel, A.B. 1924,	Hartford, Conn.				

Abramson, Daniel, A.B. 1924,
Anderson, Gaylord West, A.B. (Dartmouth Coll.) 1922,
Baird, Perry Cossart, Jr., A.B. (Univ. of Texas) 1924,
Baker, Myles Pierce, A.B. 1922,
Baker, Roger Denio, A.B. (Univ. of Wisconsin) 1924,
Amherst

<sup>‡</sup> Admitted on basis of three years' college work.

<sup>§</sup> Admitted on basis of four years' college work (in several cases work for the degree completed).

Bartlett, Marshall Kinne, A.B. (Yale Univ.) 1924, Bates, Gaylord Sparhawk, A.B. (Hiram Coll.) 1924, Baty, William Copeland, Jr., A.B. (Univ. of Alabama) 1924. Blanchard, Walter Orville, A.B. 1924,

Bloomberg, Wilfred, s.B. 1924,

Boyd, Walter Willard, E.E. (Univ. of Virginia) 1920, S.M. (Mass. Institute of Technology) 1922,

Brailey, Allen Gilbert, s.B. (Dartmouth Coll.) 1921, Bramhall, Theodore Crie, s.B. (Colby Coll.) 1924, Brigham, Robert Bennett, A.B. (Williams Coll.) 1924,

Brown, Alan DeWitt, A.B. (Univ. of California) 1925,

Brown, Harold Frederick, s.B. 1924,

Brown, Henry Samuel, Jr., s.B. (Mt. Union Coll.) 1920, Brown, Robert Whitcomb, A.B. (Univ. of Wisconsin)

19**2**3.

Cammisa, James Joseph, s.B. (Tufts Coll.) 1924, †Casten, Virgil Glenn, A.B. (Univ. of Denver) 1925,

Daffinee, Ralph Weir, A.B. 1924,

Davenport, Frank Seymour, s.B. (Mass. Agricultural Coll.) 1921,

Davis, William Edwin, s.B. (William and Mary Coll.) 1922,

DePrizio, Carl January, A.B. (Holy Cross Coll.) 1924, Desmond, Leo Raymond, A.B. (Boston Coll.) 1923,

Dickinson, Melville Day, Jr., s.B. (Union Coll.) 1924, Dixson, Ira Milburn, A.B. (Dartmouth Coll.) 1923,

Donahue, Hugh Carroll, A.B. (Dartmouth Coll.) 1924, Donovan, Richard Joseph, A.B. (Boston Coll.) 1923,

Dwight, Richard Warren (Harvard Univ.), D'Wolf, James Francis, A.B. 1924,

Ellis, Samuel Shattuck, A.B. (Amherst Coll.) 1924,

Engelbach, Hermann Friederich, A.B. (Illinois Coll.) 1924,

Farnsworth, Richard Wiggin, A.B. (Univ. of Wisconsin) 1924,

Fentress, Thomas Lyon, A.B. (Princeton Univ.) 1924, Fielding, Ralph Edwin, s.B. (Allegheny Coll.) 1924,

Fincke, Charles Louis, A.B. 1924,

Findlay, H. Verrill, A.B. (Park Coll.) 1924,

Fite, George Liddle, A.B. (Haverford Coll.) 1924,

Flower, Bardwell Hastings, A.B. (Wesleyan Univ.) 1923, Freedman, Leo Harry, s.B. (Mass. Institute of Tech-

nology) 1922, s.m. (ibid.) 1923,

Freeman, Harry, A.B. 1924, Glover, Eugene Chellis, A.B. 1924,

Goodell, Robert Alvan, PH.B. (Brown Univ.) 1924,

Graham, Richard Walter, Jr., A.B. (Princeton Univ.)

Gregg, William Earl, A.B. 1924,

† Admitted on basis of two years' college work.

1 Admitted on basis of three years' college work (in several cases work for degree completed).

New Haven, Conn. Hiram, Ohio

> Bessemer, Ala. Somerville Pittsburgh, Pa.

Washington, D. C. So. Braintree Portland, Me. Newton Centre Rochester, N. Y. Milford, N. H. Columbiana, O.

> Highland, Wis. Revere Grafton, Neb. Barre, Vt.

> > Roxbury

Hicks Wharf, Va. Mansfield Dorchester Troy, N. Y. Buffalo, N. Y. Haverhill Lawrence Brookline Cambridge Buffalo, N. Y.

Arenzville, Ill.

Janesville, Wis. Chicago, Ill. Donora, Pa. Newton Parkville, Mo. Princeton, N.J. W. Pawlet, Vt.

Roxbury Dorchester Boston N. Brooksville, Me.

> Baltimore, Md. Calumet, Mich.

Grendon, David Arthur, s.B. (Coll. of the City of New York) 1924, New York, N. Y. Bath, Pa. Hahn, Richard Glenn, s.B. (Lafayette Coll.) 1924, Halbersleben, David Lucian, A.B. (Univ. of Nebraska) Lincoln, Neb. Hale, Channing Ward, A.B. (Pomona Coll) 1923, B.S. (Univ. of Southern California) 1924, Cambridge †Hamilton, Richard Dye (West Virginia Univ.), Grantsville, W. Va. Hanna, J. Harold, s.B. (St. Lawrence Univ.) 1924, Canton, N. Y. Harris, Herman Lee, A.B. (William and Mary Coll.) 1915, A.M. (Columbia Univ.) 1919, Toano, Va. Hathaway, John Seabury, A.B. 1924, New Bedford Hathaway, Louis Edmund, Jr., A.B. (Brown Univ.) Fall River 1924, §Heffron, Roderick, s.B. (Univ. of Illinois) 1925, Chicago, Ill. Hoge, Randolph Harrison, s.B. (Univ. of Virginia) 1924, Richmond, Va. Honan, Frank Joseph, PH.B. (Brown Univ.) 1921, Providence, R. I. Horning, Benjamin, s.B. (Oregon Agricultural Coll.) 1914, s.m. (*Univ. of Oregon*) 1924, Eugene, Ore. Howd, Helmer Powers, s.B. (Colgate Univ.) 1924, Troy, N. Y. Ingal, Morris, s.B. 1924, Roxbury Jacobs, David, A.B. (Univ. of Maine) 1924, Lawrence Jones, Charles Bland, s.B. (William and Mary Coll.) 1923, Blackstone, Va. Cleburne, Tex. Joplin, Robert Jefferson, A.B. (Univ. of Texas) 1923, Keutmann, E. Henry, s.B. (Lincoln Mem. Univ.) 1924, Charleston, S. C. King, Charles Valentine, A.B. (Clark Univ.) 1924, Quincy King, Walter Wellman, s.B. (Northwestern Univ.) 1924, Chicago, Ill. Kirkbright, James Calvert, A.B. (Dartmouth Coll.) 1924, Torrington, Conn. Klumpp, Theodore George, s.B. (Princeton Univ.) 1924, New York, N. Y. Kydd, David Mitchell, s.B. (Princeton Univ.) 1924, New York, N. Y. †Langdon, John (Brown Univ.), Providence, R. I. Lindskog, Gustaf Elmer, s.B. (Mass. Agricultural Coll.) 1923, Roxbury Lingley, James Reginald, A.B. (Acadia Univ.) 1923, A.м. (ibid.) 1924, St. John, N. B. Liston, Ernest David, A.B. (Cornell Univ.) 1924, Brooklyn Manor, L. I., N. Y. McGavran, Edward Grafton, A.B. (Butler Coll.) 1924, Indianapolis, Ind. McIntire, Floyd Thomas, s.B. (Colby Coll.) 1923, Perham, Me. McKenna, John Bernard, Jr., s.B. (Providence Coll.) 1924, E. Providence, R. I. Mahoney, Patrick James, A.B. (Catholic Univ. of America) 1923, s.m. (ibid.) 1924, Norwich, Conn. Makepeace, Alexander Watts (Mass. Institute of Technology), Fall River Manning, Arthur Francis, PH.B. (Boston Coll.) 1924, Waltham Marks, George Aaron, A.B. (Hamilton Coll.) 1924, Old Forge, N. Y. Menkin, Valy, s.B. (Coll. of the City of New York) 1922, A.M. (Columbia Univ.) 1924, New York, N. Y.

† Admitted on basis of two years' college work.

<sup>‡</sup> Admitted on basis of three years' college work (in several cases work for degree completed).

<sup>§</sup> Admitted on basis of four years' college work (in several cases work for degree completed).

Migliaccio, Anthony Vito, Ph.B. (Brown Univ.) 1924, Edgewood, R. I. Monks, John Peabody, A.B. 1924, Boston Moore, Joseph Hallock, s.B. (Lafayette Coll.) 1924, Huntington, W. Va. Moses, Sanford Hiram, Jr., A.B. 1924, Troy, N. Y. Palmer, Mahlon Phelps, A.B. (Grinnell Coll.) 1924, Charles City, Ia. Perry, Chauncy Valentine, s.B. (Mass. Agricultural Coll.) 1924, Waltham Perry, William H., A.B. 1923, Lakewood, O. Picciotti, Joseph David, A.B. (Univ. of Rochester) 1924, Rochester, N. Y. Brooklyn, N. Y. Polo, John Louis, s.B. (Colgate Univ.) 1924, Hubbard Woods, Ill. Porter, Eliot Furness, s.B. 1924, Pottenger, Robert Thomas, A.B. (Princeton Univ.) 1924, Pasadena, Cal. Read, Joseph Charles, A.B. (Cornell Univ.) 1925, Atlanta, Ga. Rennie, Thomas Alexander Cumming, s.B. (Univ. of Pittsburgh) 1924, Pittsburgh, Pa. Cambridge Rudofsky, Jacob Louis, A.B. 1924, Sargent, Wallace Bruce, A.B. (Univ. of Alabama) 1924, Russellville, Ala. Saul, Leon Joseph, A.B. (Columbia Univ.) 1921, A.M. New York, N. Y. (*ibid.*) 1923, Schaefer, Arthur Albert, A.B. (Univ. of Wisconsin) 1924, Milwaukee, Wis. Dorchester Segool, Samuel Hirsh, A.B. 1924, Sheldon, Elroy Franklin, A.B. (DePauw Univ.) 1922, A.M. (Cornell Univ.) 1924, Bluffton, Ind. Short, Charles Lyman, A.B. 1923, Worcester Bonham, Tex.  $\dagger$ Spies, Tom Douglas (*Univ. of Texas*), Springer, Arthur Lorraine, A.B. (Bowdoin Coll.) 1924, Franklin, Me. Steinberg, Israel S., s.B. 1924, Lawrence Stewart, John Dunham, A.B. (Univ. of Virginia) 1924, Monroe, N. C. Stoller, Louis William, s.B. 1924, Bremen, Ind. Surber, Alva Claude, Jr., A.B. 1923, Muncie, Ind. Talbott, John Harold, A.B. (Grinnell Coll.) 1924, Grinnell, Ia. Woodstock, Vt. Thomas, Giles Waldo, A.B. 1924, Albany, N. Y. Traver, Ralph Franklin (Colgate Univ.), Dorchester. Ulin, Robert, s.B. 1924, Pueblo, Colo. Edgewood, R. I. Wallace, James Hammond, A.B. (Colorado Univ.) 1924, West, Edward Joseph, Ph.B. (Brown Univ.) 1924, §Williams, Vernon Phillips (Harvard Univ.) Minneapolis, Minn. Wilson, Paul Hays, A.B. (Amherst Coll.) 1924, New Castle, Pa.

#### FIRST CLASS

‡Adams, Herbert Dan (Univ. of California),
Adams, John, Jr., A.B. 1925,
Arnold, Morton, s.B. 1925,
Baier, Joseph John, s.B. (Notre Dame Univ.) 1924,
Bar, Hugo Linden, s.B. 1925,
Bascom, Francis Senter, A.B. (Yale Univ.) 1924,
Baxter, Philip Norman, A.B. (Stanford Univ.) 1925,

\$\text{Solden, Utah}\$
Cleveland, O.
South Orange, N. J.
Harrisburg, Ill.
Salt Lake City, Utah
Stockton, Cal.

† Admitted on basis of two years' college work.

<sup>‡</sup> Admitted on basis of three years' college work (in several cases work for degree completed).

§ Admitted on basis of four years' college work (in several cases work for degree completed).

Beizer, Edmund, A.B. 1925, Hartford, Conn. Bowie, Morris Alexander, A.B. (Univ. of Colorado) 1925, Bowie, Colo. Bradley, Charles, A.B. (Cornell Univ.) 1925, Providence, R. I. Bright, Ernest Frederick, A.B. (Hiram College) 1925, Sharon, Pa. Bronson, George Alexander, Jr., A.B. (Univ. of Alabama) Dadeville, Ala. 19**2**5, Brown, John Edwin, Jr., A.B. (Williams College) 1925, Columbus, O. Buddington, Weston Turner, A.B. (Princeton Univ.) West Mystic, Conn. 1925, Bulley, Kenneth George, A.B. (Univ. of Wisconsin) 1925, Wauwatosa, Wis. Cantor, Hyman, s.B. (Richmond College) 1925, Petersburg, Va. Carniglia, Ettore Francis, A.B. 1925, Windsor Locks, Conn. Cavanaugh, Frederick Thomas, A.B. (Georgetown Univ.) 1925, Troy, N. Y. Chittick, Rupert Addison, s.B. (*Univ. of Nebraska*) 1923, A.M. (ibid.) 1924, Stuart, Neb. Cochran, Williams, A.B. (Princeton Univ.) 1925, Plainfield, N. J. Cohn, George Mitchell, A.B. (Cornell Univ.) 1925, Newark, N. J. Cole, Cecil Crafts, A.B. 1924, Monteagle, Pa. Colton, Ethan Theodore, Jr., s.B. (Wesleyan Univ.) 1925, Upper Montclair, N. J. Courtright, Lazarre John, A.B. (Drake Univ.) 1925. Des Moines, Ia. Dixon, Thomas Woolstone (George Washington Univ.), Brooklyn, N. Y. Dukes, Edward David, A.B. (Lincoln Univ.) 1923, Roe, Ark. Durbin, Edgar, A.B. 1925, Denver, Colo. Eckstein, Adolph William, Ph.B. (Brown Univ.) 1925, Linden, N. J. Ettelson, Lawrence Newton, s.B. (Tufts Coll.) 1925, Boston La Crosse, Wis. Montclair, N. J. Evans, Joseph Patrick, A.B. 1925, Farnsworth, Robert Pratt, A.B. (Williams Coll.) 1925, Farrell, James Irving, A.B. (Hamilton Coll.) 1925, Whitesboro, N. Y. Fender, Frederick Allen, A.B. (Univ. of California) 1924, Berkeley, Cal. Ferguson, Carl Simeon, A.B. 1925, Montgomery City, Mo. Finke, Charles Henry, Jr., A.B. (Columbia, Univ.) 1925, Jersey City, N. J. Flanders, Jackson, s.B. 1924, Melrose Carson City, Nev. Fothergill, Leroy Dryden, A.B. (Univ. of Nevada) 1924, Frazier, William Ronald, A.B. (Reed College) 1925, Portland, Ore. Gayl, Joseph Cary, s.B. 1925, El Paso, Tex. George, Everett Moore, A.B. (Drake Univ.) 1925, Des Moines, Ia. Gillespie, Elmer Hutchinson, s.B. (Univ. of Washington) 1925, Seattle, Wash. Gilman, Bernard, s.B. 1925, Mattapan Gilman, Ralph Lawrence, A.B. 1925, Roslindale Goodkind, Robert Putnam, s.B. (New York Univ.) 1925, Yonkers, N. Y. Goodwin, Robert Hancock, A.B. (Princeton Univ.) 1925, East Liverpool, O. Graves, Sidney Chase, A.B. 1925, Boston Graybiel, Ashton, A.B. (Univ. of Southern California) 1924, A.M. (ibid.) 1925, Los Angeles, Cal. Gulick, James Benedict, A.B. (Williams Coll.) 1925, Maplewood, N. J. ‡Gundersen, Sven Martin (Univ. of Wisconsin) LaCrosse, Wis. Hadler, Morris Harry, A.B. 1925, Roxbury

<sup>‡</sup> Admitted on basis of three years' college work (in several cases work for degree completed).

Harris, David Henry, s.B. (Mass. Inst. of Technology)	
1922,	Brookline
Harvey, Earle Allaway, s.B. (Univ. of Washington)	
1925,	Arlington, Wash.
Hawes, Cornelius Hawkins, A.B. 1923,	Fall River
‡Hedberg, Herbert Emanuel (Harvard Coll.),	Dorchester
Hertz, Saul, A.B. (Univ. of Michigan) 1925,	Cleveland, O.
Hewlett, James Theodore, s.B. 1924,	Roxbury
Holsclaw, Dugald Stanley, s.B. (Univ. of Arizona)	
1925,	Tucson, Ariz.
Hoyt, William Fenn, A.B. (Hamilton Coll.) 1925,	Middleport, N. Y.
Humphreys, George Hoppin, A.B. 1925,	Cambridge
Hurwitz, David, s.B. 1925,	Roxbury
Hyatt, Gilbert Thomas, A.B. (Washington Univ.) 1924,	McLeansboro, Ill.
Ingle, Charles William, Jr., s.B. (Rutgers Coll.) 1925,	Defiance, O.
Isherwood, John Alexander, Ph.B. (Brown Univ.) 1925,	New Bedford
Jacobs, John Lesh, A.B. (Oglethorpe Univ.) 1923, S.B.	ricw Dealord
1925.	Atlanta, Ga.
Jacobson, Bernard Maxwell, s.B. 1925,	Roxbury
Jewett, Eugene Lyon, B.CHEM. (Cornell Univ.) 1922,	Fredonia, N. Y.
Kelley, Sylvester Baker, s.B. 1925,	Reading
Kelly, Paul Brooks, A.B. (Lake Forest Coll.) 1925,	Coolville, O.
Kleven, John Elias, A.B. (Univ. of Nebraska) 1925,	McCook, Neb.
	Philadelphia, Pa.
†Kremer, Charles Ernst, Jr. (Harvard Coll.), Kushner, Irving, s.b. (Coll. of the City of New York)	i illiadeipilia, i a.
1924.	New York, N. Y.
	Dorchester
Labovitz, Joseph, A.B. 1924,	Dorchester
‡Leaver, Frank Yearsley (Univ. of Nevada and Univ. of	Reno, Nev.
Arizona),	Brockton
Leet, William Lessel, s.B. (Norwich Univ.) 1923,	Newtonville
Leonard, Donald William, s.B. (Wesleyan Univ.) 1925,	Rye, N. Y.
Lesher, Stephen Rosson, A.B. 1920,	nye, n. 1.
Loverud, Harold Irving Leroy, A.B. (Univ. of Wis-	Staughton Wig
consin) 1925,	Stoughton, Wis.
Mabrey, Roy Elbridge, A.B. (Illinois Coll.) 1925,	Eldorado, Ill.
Maggio, Vincent S, s.B. (New York Univ.) 1925,	Brooklyn, N. Y. Woburn
Mahoney, William Gutierrez, A.B. (Holy Cross Coll.) 192	Porto Rico
Marques, Guillermo Sebastian, s.B. 1925,	rorto rico
McKendall, Benjamin Salvatore, A.B. (Brown Univ.)	D D. T
1925,	Providence, R. I.
Miller, David Kimball, s.B. (Illinois Wesleyan Univ.)	NT1 TII
1925,	Normal, Ill.
Miller, Milton Leonard, A.B. 1925,	Irwin, Pa.
Noble, Charles Albert, Jr., A.B. (Univ. of California)	Doult-law Cal
1924,	Berkeley, Cal.
Ortiz, Antonio Maria Ortiz, s.B. 1925,	Porto Rico
Osgood, Rudolf, s.B. 1924,	Cambridge
Parnall, Edward, A.B. (Univ. of Michigan) 1924, A.M.	Dashastan N V
1925,	Rochester, N. Y.
Patterson, John Kenneth, A.B. (Reed Coll.) 1925,	Portland, Ore.
1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

† Admitted on basis of two years' college work.

<sup>‡</sup> Admitted on basis of three years' college work (in several cases work for degree completed).

D . Cl 1 D .l /7 C C !! \ *****	
Proctor, Clark Bartlett, s.B. (Iowa State Coll.) 1925,	Ames, Ia.
Quintiliani, Albert, A.B. 1925,	Quincy
Rafferty, George William, A.B. (Holy Cross Coll.) 1925,	
Reardon, John Paul, Ph.B. (Boston Coll.) 1925,	Somerville
Riseman, Joseph Ephraim Frank, s.B. 1924,	Keene, N. H.
Robinson, Charles Anthony, A.B. (Dartmouth Coll.) 199	25, Malden
Rosenberg, Albert Abraham, A.B. (Princeton Univ.)	37 1 37 7
1925, D = 11 = 11 = = (M, H : (H) 1927	Newark, N. J.
Ross, Lloyd I, s.B. (Mt. Union Coll.) 1925,	Alliance, O.
Rydell, William Binger, A.B. 1925,	Superior, Wis.
Sanderson, Paul Graves, s.B. (Dartmouth Coll.) 1921,	Springfield
†Sears, Lewis (Harvard Coll.),	Norwich, Conn.
Sherwin, Herbert, s.B. 1925,	Fall River
†Skeirik, Jibran Yusuf (Boston Univ.),	Lawrence
Snedeker, Lendon, A.B. 1925,	Brooklyn, N. Y.
Shelling, David Barrow, A.B. (Univ. of Georgia) 1924,	Athens, Ga.
Stelle, Lewis Randolph, A.B. (Columbia Univ.) 1925,	Scranton, Pa.
Stevenson, Thomas William, Jr., A.B. (Univ. of Utah)	-let de Control
1925, Stone, Dudleigh Chapin, s.B. 1925,	alt Lake City, Utah
Streeter, Arthur Lyman, A.B. (Amherst Coll.) 1925,	Chicago, Ill.
Sweet, Lewis Kaigler, A.B. (Univ. of Texas) 1923,	Cummington
Tanzer, Radford Chapple, s.B. (Dartmouth Coll.) 1925,	Brownwood, Tex.
Taylor, Malcolm Cushing, A.B. 1925,	Little Falls, N. Y.
§Teel, Harold Morrison (Univ. of California),	Boston Col
Thackston, James Frederick, s.B. ( <i>Univ. of Tennessee</i> )	San Francisco, Cal.
1924,	Knoxville, Tenn.
Thorp, Edward George, A.B. (Cornell Univ.) 1925,	Rochester, N. Y.
Tivnan, Paul Edward, s.B. (Fordham Univ.) 1925,	Salem
Twombly, Gray Huntington, A.B. (Franklin and	Salein
Marshall Coll.) 1925,	Lancaster, Pa.
Walker, John Hicks, s.B. (Emory Univ.) 1925, s.M. (ibid.	
1925.	Atlanta, Ga.
Walker, Thomas Tipton, s.B. (Emory Univ.) 1924,	manua, Ga.
s.m. (Univ. of North Carolina) 1925,	Atlanta, Ga.
Wallace, Homer Dawson, Jr., s.B. (Univ. of Pittsburgh)	110101100, 00.
1925,	Pittsburgh, Pa.
Warner, William Randolph, A.B. (Carleton Coll.) 1924,	Seattle, Wash.
Watson, James Rose, s.B. (Haverford Coll.) 1925,	Pittsburgh, Pa.
White, John Cowles, s.B. 1925,	New Britain, Conn.
Whitman, Loring, A.B. 1925,	Boston
Yens, Otto Christian, A.B. 1924,	Cambridge
Younger, Lewis Irving, A.B. (Univ. of Illinois) 1925,	Chicago, Ill.

<sup>†</sup> Admitted on basis of two years' college work.

<sup>§</sup> Admitted on basis of four years' college work (in several cases work for degree completed).

## SUMMARY

CANDIDATES FOR DEGR	RE	E	OF	I	<b>)</b> o	$\mathbf{CT}$	OR	c	F	M	ΕI	OIC	IN	E		
FOURTH CLASS																131
THIRD CLASS .																135
SECOND CLASS																116
FIRST CLASS .			•		•			•						•		125
Тошат																505

# DISTRIBUTION BY COLLEGES AND PREPARATION OF MEN ADMITTED TO FIRST-YEAR STANDING\*

Institutions giving Premedical Training	Location	Admitted on basis of a degree	Admitted on basis of 2, 3, or 4 years' col- lege work	Total
Acadia College	Nova Scotia	3		3
Alabama, University of	Alabama	4	l ::	3 4 3 5 1 2 1 1 8 2 6
Allegheny College	Pennsylvania	3		3
Amherst College	Massachusetts	5		5
Anatolia College	Turkey	1		1
Arizona, University of Atlanta University	Arizona	3 5 1 1	1	2
Atlanta University	Georgia	1 1	• •	1
Bates College	Maine	1 8	• •	
Boston College Boston University	Massachusetts Massachusetts	0	2 3	2
Bowdoin College	Maine	3	3	6
Brown University	Rhode Island	$2\overset{\circ}{2}$	2	24
Butler College	Indiana	1		1
California, University of	California	9	3	12
Carleton College	Minnesota	$\frac{2}{2}$		2
Catholic University of America	District of Col.	2		2
Chicago, University of	Illinois	4	1	1
Clark University	Massachusetts	4	1	5
Colby College	Maine	4 5 4	1 1 1 2	2 2 1 5 5 7 4 7
Colgate University	New York	0		1
Colorado, University of Columbia University	Colorado New York	6	i	7
Cornell University	New York	6		6
Dartmouth College	New York New Hampshire	10	i	11
Davidson College	North Carolina	ĭ	1	1
Denison College	Ohio		i	1 1
Denver, University of	Colorado	1	1	1
De Pauw University	Indiana	i		1 2 2 1 1 1 1 2 1 2
Drake University	Iowa	$\begin{bmatrix} \frac{1}{2} \\ 2 \end{bmatrix}$		2
Emory University	Georgia	$\frac{2}{1}$		2
Fiske University	Tennessee	1 1	••	1 1
Florida, University of	Florida	1	• •	1 1
Fordham University Franklin and Marshall College	New York City Pennsylvania	1	••	1 1
Georgetown University	District of Col.	1 2 1 2 1 2		2
George Washington University	District of Col.	1 ī	•	l ĩ
Georgia, University of	Georgia	2		2
Gettysburg College	Pennsylvania	1		1
Grinnell College .	Iowa	2		2
Hamilton College	New York	7		7
Harvard College	Massachusetts	111	10	121
Haverford College	Pennsylvania	2		2
Hiram College	Ohio	$egin{array}{c} 3 \\ 6 \\ 3 \\ 2 \\ 2 \end{array}$	••	2 3 6 3 3 2
Holy Cross College	Massachusetts	0	••	0
Illinois College Illinois, University of	Illinois Illinois	9	i	3
Illinois Wesleyan College	Illinois	2	1	2
Indiana, University of	Indiana	1	i i	1
Iowa, State College of	Iowa	i	1	1
Iowa, State University of	Iowa	1		1
Johns Hopkins University	Maryland	1		1
Kansas, University of	Kansas	6		6
Kentucky, University of	Kentucky	1	••	$\begin{array}{c c} 1 \\ 2 \\ 1 \end{array}$
Lafayette College	Pennsylvania	2	• •	2
Lake Forest College	Illinois	1	• •	
Lincoln University	Pennsylvania	1		1
Lincoln Memorial University Maine, University of	Tennessee Maine	1 9		1 2
Mass. Agricultural College	Massachusetts	6 1 2 1 1 1 2 3	1	1 2 3 8
	Massachusetts	6	2	8
Mass. Inst. of Technology	I WIASSACHUSELLS	1 0		( )

<sup>\*</sup> Students were admitted from certain of these colleges only on the basis of having done additional\_work\_at an approved college.

Institutions giving Premedical Training	Location	Admitted on basis of a degree	Admitted on basis of 2, 3, or 4 years' col- lege work	Total
Mercer University	Georgia	2 4	·i	2 5 2 1 3 4 2 2 1 6 2 1 2 1 2 1 2 1 2 1 1 4 2 1 1 1 4 2 1 1 1 1
Michigan, University of	Michigan	$\cdot  \stackrel{4}{2}$	1	$\frac{3}{2}$
Middlebury College	Vermont New Brunswick	)	i	1
Mount Allison College Mount Union College	Ohio	3		3
Nebraska, University of	Nebraska	3 1	i	4
Nevada, University of	Nevada	1	1	2
New Brunswick, University of	Canada	2	• • •	1
New Hampshire State College	New Hampshire New York City	6		6
New York, College of the City of	New York City	2		2
New York University North Carolina, University of	North Carolina	1		1
Northwestern University	Illinois	1	1	$\frac{2}{1}$
Norwich University	Vermont	1	• •	1
Notre Dame University	Indiana	2	• •	1 i
Oglethorpe University	Georgia	1 2	••	2
Ohio State University	Ohio Ohio	i i	i	2
Ohio Wesleyan University Oklahoma, University of	Oklahoma	ī		1
Oregon Agr. and Mech. College	Oregon	1 2 1 1 1 4 2 5		1
Oregon, University of	Oregon	4	••	4
Park College	Missouri	2 5	•••	5
Pittsburgh, University of	Pennsylvania	1		i
Pomona College	California New Jersey	14		14
Princeton University Providence College	Rhode Island	1		1
Reed College	Oregon	3 2 1 3 3 3 1 3 2 1 5 2 3 3 1 4 4 7 1	••	3
Rhode Island State College	Rhode Island	2	• •	1 2
Richmond College	Virginia	1 2		3
Rochester, University of	New York New Jersey	3		3
Rutgers College St. Francis Xavier's College	New Jersey Nova Scotia	3		3
St. Lawrence University	New York	1		1
Southern California, University of	California	3	••	3
Stanford University	California	2	• • •	1
Tennessee, University of	Tennessee	1 5	i	6
Texas, University of	Texas Connecticut			2
Trinity University Tufts College	Massachusetts	3	1	4
Union College	New York	3	• •	3
Utah, University of	Utah	1	••	1 1
Virginia, University of	Virginia	. 4	• • • • • • • • • • • • • • • • • • • •	1
Washington and Jefferson College	Pennsylvania Virginia	$\frac{1}{2}$		2
Washington and Lee College	Missouri	1		1
Washington University Washington, University of	Washington	4	• •	4
Weslevan University	Connecticut	7	•	7
West Virginia, University of	West Virginia	1	1 1	1 3 2 1 3 3 3 1 3 2 2 1 6 2 4 4 3 1 4 4 7 7 2 1
Western Reserve University	Ohio		1	3
William and Mary, College of	Virginia Massachusetts	7		7
Williams College Wisconsin, University of	Wisconsin	5	4	9
Wooster University	Ohio	1	••	1 1
Wyoming, University of	Wyoming	1	• •	9
Yale University	Connecticut	9		$-\frac{3}{479}$
Totals		431	48	19
Less number counted twice		12	41	$-\frac{13}{460}$
		419	.41	400

## DISTRIBUTION BY MEDICAL SCHOOLS AND AMOUNT OF PREMEDICAL PREPARATION OF MEN ADMITTED TO ADVANCED STANDING

School at which study of medicine was begun	Location	Admitted to study of medicine on basis of a degree	Admitted to study of medicine on basis of 2, 3, or 4 years' col- lege work	Total
California, University of Cornell University Dartmouth College Freiburg, University of Illinois, University of Minnesota, University of Missouri, University of Nebraska, University of North Carolina, University of Oregon, University of Oxford University Stanford University Utah, University of Vanderbilt University Virginia, University of West Virginia, University of Wisconsin, University of	California New York New Hampshire Germany Illinois Minnesota Missouri Nebraska North Carolina Oregon England California Utah Tennessee Virginia West Virginia Wisconsin	6 1  1 1  2  2 2  2 	3 1 5  1 2  3  2  1 1 2	9 2 5 1 2 1 3 1 2 2 2 2 2 1 3 1 7
Totals		24	23	47

## TEACHING STAFF

PAGES	PAGES
Adams, E. T 24, 60	Canavan, M. M 25
Adams, F. D 21, 69	Cannon, W. B 12, 57
Allen, A. W	Chagas, C 24, 88
Allison, N 12, 84	Cheever, A. W 19, 78
Anson, B. J 23, 54	Cheever, D 12, 72
Aub, J. C 14, 68	Cheney, R. C
Augustine, D. L 15, 66	Christian, H. A 11, 68
Aycock, W. L 19, 66	Christiansen, W. G. O 23, 67
Ayer, J. B 13, 80	Churchill, E. D
Baker, H. W 17, 84	Clymer, G
Baker, L. W	Cobb, S
Bard, P	
	Cochrane, R. C 18, 72
Barnes, H. A	Cohen, J. P
Barney, J. D	Cohn, E. J
Beckford, F. A	Colby, F. H
Bell, R. D 14, 60	Cole, C. C
Bequaert, J. C 18, 88	Connor, C. L
Berglund, H 14, 68	Crothers, B 18, 75, 80
Binney, G. H	Curtis, R. D
Blackfan, K. D 13, 75	Cushing, H
Blaisdell, J. H 18, 77	Davenport, F. S 24, 57
Blake, G 16, 69	Davidson, P. B 22, 69
Blumgart, H. L 23, 69	Day, C. O 17, 86
Bock, A. V 14, 68	Day, H. F 13, 72
Boeck, W. C	Deeks, W. E 15, 88
Bogan, F. L	DeFrates, J 25, 60
Bovie, W. T 14, 88	Denny, G. P 19
Bowman, K. M 14, 81	DeNormandie, R. L 16, 82
Boyden, E. A 14, 53	Derby, G. S 12, 85
Bradley, J. I 24, 54	Dimitroff, V. T 21, 63
Bremer, J. L 12, 53	Dix, G. A 16, 72
Brewster, A. H 21, 84	Dresser, R 22, 73
Bristol, D. J 19, 82	Drinker, C. K 14, 57
Britton, S. W 24, 57	Dunphy, E. B 23, 85
Brown, C. L 24, 69	Eaton, H. B
Brown, L. T 17, 84	Edsall, D. L 10
Brunswick, D 24, 57	Emerson, P. W 18, 75
Burnett, J. H 22, 54	Emery, E. S., Jr 22, 69
Burns, F. S	Emidy, H. L 24, 75
Butler, P. F 16, 72	Eustis, R. S 18, 76
Byers, R. K 23, 75	Fabyan, M
Cabot, R. C 10, 68	Faunce, C. B., Jr 13, 86
Cahill, H. P 14, 86	Felton, L. D 14, 66
Campbell, C. M 12, 81	Ferry, R. M 20, 57
Campos, F. A. deM 22, 57	Finck, H. P 21, 86
• •	

PACEG	PAGES
PAGES	Hubbard, J. C 11, 72
Fiske, C. H	Hughes, T. P
Fitz, R	Hunt, F. H
Fitz Simmons, H. J 17, 84	Hunt, R
Fleming, R. E 25, 54	
Folin, O	Hyde, H. V
Forbes, A	Irving, F. C
Forbes, H. S 18, 79	Isaacs, R
Forkner, C. E 24, 54	Jackson, D. L 17, 82
Forster, G. F	Jackson, H., Jr 21, 69
Fremont-Smith, F 23, 79	Johnson, C. E 21, 54
Fremont-Smith, M 21, 69	Johnston, J. A 24, 76
Frothingham, C 13, 68	Jones, C. M
Frothingham, L 15, 66	Jones, D. F 15, 72
Fry, C. C 23, 81	Joslin, E. P 10, 68
Gamble, J. L 14, 75	Kazanjian, V. H 13
Garland, F. E 16, 87	Kellogg, F. S 18, 82
Garland, J 21, 76	Kennedy, J. A 23, 61
Ghormley, R. K 21, 84	King, D. S 20, 69
Goethals, T. R 20, 82	Kirby, J. C 21, 87
Good, F. L 16, 84	Knowlton, C. D 15, 87
Goodale, J. L 15, 87	Ladd, M 15, 75
Goodall, E. B 18, 85	Ladd, W. E 17, 72
Grabfield, G. P 20, 67, 69	Lane, C. G
Graves, W. P 11, 83	Lawrence, J. S 23, 69
Green, H 20, 76	Legg, A. T 16, 84
Green, R. M 13, 54, 83	Leland, G. A., Jr 18, 72
Greene, D. C 16, 87	Lennox, W. G 19, 69, 79
Greenough, R. B 11, 72	L'Esperance, O. R. T 18, 73
Greenwood, A. M 16, 77	Levine, S. A
Gregersen, M. I	Lewis, F. T
Grinnell, F. B 19, 61	Lewis, J. T
Gustafson, P 20, 82	Lloyd, H. D
Hale, W	Locke, E. A
Hamilton, B. L. K 20, 75	Lonergan, R. C 23, 85
Hamilton, F. A 17, 54	Lord, F. T
Hammond, P	Lothrop, O. A
	Lowell, A. L 10
	Lowell, A. L
Harmer, T. W 17, 54, 73	Lund, C. C
Hartwell, H. F 16, 72	
Hatch, R. A 17, 85	Lyman, H
Henderson, L. J 12, 57	Lynch, F. J
Herman, E. W 16, 87	Lyon, A. B 20, 76
Hermann, O. J 18, 72	Lyster, W. J. LeH 11
Hill, L. W 19, 76	McClure, W. L 22, 73
Hinton, W. A 18, 61, 67	McDonald, C. A 17, 80
Hitchcock, J 19, 69	McIver, M. A
Hoeffel, G. N 23, 76	McKenzie, W. L 23, 76
Holmes, G. W	McKhann, C. F 23, 76
Homans, J 12, 72	McNamara, W. L 23, 63
Hornor, A. A 19, 88	MacPherson, D. J 20, 79
Horrax. G 14, 72	Magrath, G. B 11, 65
Howe, P. R 15, 63	Mallory, T. B 22, 61

PAGES	PAGES
Margeson, R. D 20, 54	Rogers, W. A 21, 73
Mason, N. R 16, 82, 84	Romberg, E. C 21, 76
Meaker, S. R	Rose, E. R
Means, J. H 14, 68	Rosenau, M. J 10, 66
Meltzer, P. E	Sander, J. F
Miller, R. H 18, 72	Sandground, J. H 23, 88
Miner, L. M. S	Sawyer, A. R 17, 73
Minot, G. R 14, 68	Schereschewsky, J 15, 67
Monks, G. H	Seegal, E. B. C
Morrell, C. A	Sellards, A. W 13, 88
Morrison, H	Sever, J. W 16, 85
Morrison, W. R 19, 54	Shapira, A. A 19, 54
Mosher, H. P	Shattuck, G. C
Moss, W. L	Sheehan, E. B 19, 84
Mueller, J. H 15, 61	
Munro, D	Sheldon, E. F
	Sisson, W. R 18, 76
Murphy, W. P	
Newell, F. S	Sloan, L. W
Newton, F. C	Smith, J. A
Nissen, H. A 20, 69	Smith, L. W
	Smith, M
Nye, R. N	Smith, R. M
Ohler, W. R 19, 69	Smith, W. D 16, 69
Oliver, E. L 16, 77	Smith, W. H
Osgood, R. B 12, 84	Smith-Petersen, M. N 19, 85
Palfrey, F. W 16, 69	Smyth, D. C 18, 87
Peabody, F. W 13, 68	Solomon, H. C 19, 79, 81
Peck, M. W	Sosman, M. C
Pemberton, F. A 18, 84	Soutter, R
Pertzoff, V. A	Sowles, H. K 20, 73
Pinkerton, H 23, 63	Stiles, P. G
Place, E. H	Stone, J. S
Porter, C. A 10, 72	Streeter, E. C 12, 88
Porter, C. T 19, 86	Strong, R. P
Porter, W. T 10, 57	Stuart, H. C 21, 75
Potter, W. H	Sturgis, C. C
Powers, H. H 25, 60	Subba Row, Y 24, 60
Putnam, T. J 22, 73	Swaim, L. T 18, 85
Quinby, W. C 12, 72	Swift, J. B., Jr 17, 82
Rackemann, F. M 14, 68	Sylvester, P. H 17, 75
Raeder, O. J 17, 81	Talbot, F. B 13, 75
Ragle, B. H 20, 69	Tang, F 23, 61
Redfield, A. C 15, 57	Tang, F
Rice, A. H 16, 88	Taylor, E. W 10, 80
Richards, T. K 21, 72	Taylor, G. W 23, 73
Richardson, E. P 13, 72	Taylor, J. V
Riemer, H. B. C 18, 85	Teel, C. E 24, 73
Riley, A 17, 72	Tefft, R. C., Jr 22, 76
Riley, A	Theiler, M 23, 88
Robinson, E. S. A 22, 61, 67	Thom, D. A
Rock, J. C 22, 82	Thompson, W. O 24, 69

## TEACHING STAFF

PA	GES		PAGES
Thorndike, P 10	. 72	White, B 13, 6	61, 66
Thorndike, W. T. S 22		White, C. J 1	1, 77
Tobey, H. G 18	, 87	White, P. D	9, 69
Torbert, J. R 16		Whittemore, W 1	7, 72
Treadway, W. L 17,		Wiggin, W. I 1	6, 87
Trimble, H. C 14		Williams, J. T 1	
Tyzzer, E. E 12	, 65	Willocx, E	
Verhoeff, F. H 12		Wilson, P. D 1	
Viets, H. R 20,	, 80	Wolbach, S. B 1	
	, 84	Wolff, L 2	
Waite, J. H 20	, 85	Woodall, C. S 2	
	, 86	Wright, G. H 1	
	, 53	Wright, J. H 1	1, 63
	, 63	Wyman, E. T 1	8, 75
	, 68	Young, W. B 2	21, 82
Weatherford, H. L 22	, 54	Zinsser, H	12, 61
Wells, F. L 17		•	

## ANNOUNCEMENT FOR 1926-27

The next session of the Medical School begins September 27, 1926. All students are required to register at the Dean's office on this day. Students registering in the Medical School for the first time will meet in the Amphitheatre in the Administration Building of the Harvard Medical School, on Monday, the 27th of September, at 9.30 a.m. Students desiring to enter the Harvard Medical School in the first-year class, or with advanced standing, should file an application blank, which can be obtained from the Dean's office, on or before March 1, 1926.

#### CALENDAR

#### 1926.

Sept. 15, Wednesday. Last day for receiving applications for Scholarships for 1926-27 (except the Cheever, Haven, and Hayden Scholarships).

Sept. 27, Monday. Academic Year begins. Registration of Students. Payment of the first instalment of the tuition fee is required on this date.

Oct. 12, Tuesday. Columbus Day: a holiday.

Nov. 25, Thursday. Thanksgiving Day: a holiday.

Nov. 30, Tuesday. Payment of the second instalment of the tuition fee is required on or before this date.

Dec. 10, Friday. Last day for receiving applications for the Cheever, Haven, and Hayden Scholarships.

RECESS FROM DEC. 23, 1926, TO JAN. 2, 1927, INCLUSIVE 1927.

Jan. 1, Satuday. New Year's Day: a holiday.

Jan. 15, Saturday. Last day for receiving applications from students in the Professional Schools to be qualified for the degrees of Ph.D. and A.M. in 1927.

Jan. 29, Saturday. Payment of the third instalment of the tuition fee is required on or before this date.

Jan. 31, Monday. Second half-year begins.

Feb. 22, Tuesday. Washington's Birthday: a holiday.

April 1, Friday. Last day for receiving dissertations for the Bowdoin Prizes and the Toppan Biennial Prize.

#### RECESS FROM APRIL 17 TO APRIL 23, INCLUSIVE

April 30, Saturday. Payment of the fourth instalment of the tuition fee is required on or before this date.

May 2, Monday. Last day for receiving dissertations for the Dante and Sumner Prizes.

May 2, Monday. Last day for receiving applications for the Bullard Fellowships and the Moseley Travelling Fellowships.

May 2, Monday. Last day for receiving applications of candidates for the degree of M.D. in 1927.

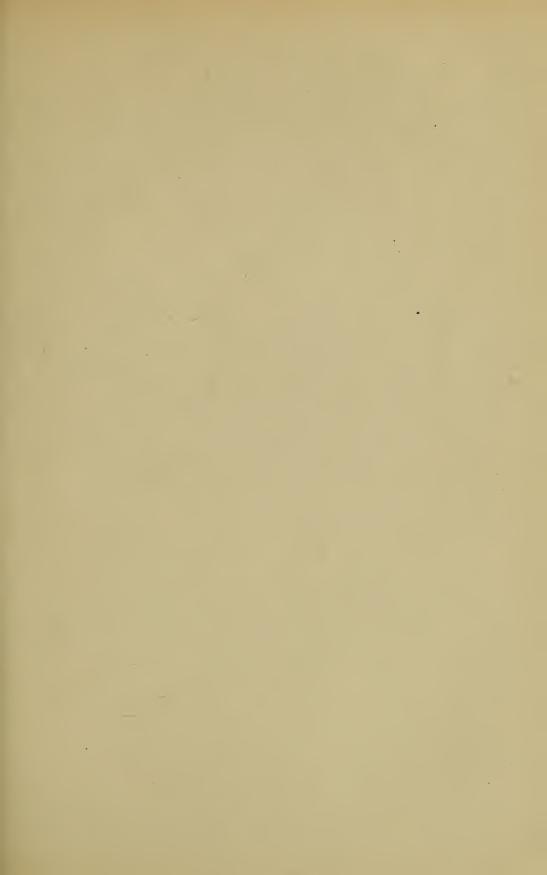
May 30, Monday. Memorial Day: a holiday.

June 23, Thursday. Commencement.

SUMMER VACATION, FROM COMMENCEMENT TO SEPTEMBER 25, INCLUSIVE

Sept. 15, Thursday, Last day for receiving applications for Scholarships for 1927-28 (except the Cheever, Haven, and Hayden Scholarships).









#### OFFICIAL REGISTER OF HARVARD UNIVERSITY

[Entered March 6, 1913, at Boston, Mass., as second-class matter, under Act of Congress of August 24, 1912.]

Issued at Cambridge Station, Boston, Mass., three times each, in January, February, July, August, and September; eight times each, in March, April, May, and June; twice each, in October, November, and December.

These publications include: -

The Annual Reports of the President and of the Treasurer.
The Annual University Catalogue

The Annual Catalogues of the College and the several Professional Schools of the University; the Descriptive Pamphlet; the Announcements of the several Departments; etc., etc



